



State of Utah

GARY R. HERBERT
Governor

Department of Administrative Services

KIMBERLY K. HOOD
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON
Director

ADDENDUM NO. 4

Date: December 15, 2010

To: Short-Listed Contractors

<u>Company</u>	<u>Contact</u>	<u>Fax</u>
Big-D Construction	Kelly Hyvonen	801-415-6903
Jacobsen Construction	Blake Court	801-973-7496
Layton Construction	Bruce McDonough	801-563-4811
Okland Construction	Russell Butler	801-486-7570

From: Matthias Mueller

Reference: Holland Centennial Commons
Dixie State College – St. George, Utah
DFCM Project No. 06297640

Subject: Addendum No. 4

Pages	Addendum Cover Sheet	1 page
	<u>Architect's Addendum No. 004</u>	3 pages
	Total	4 pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

4.1 SCHEDULE CHANGES: There are no Project Schedule changes.

4.2 GENERAL ITEMS: See attached Architect's Addendum No. 004 dated December 15, 2010.



Addendum 004

project: Dixie Centennial Commons **project no:** 09625
date: 2010-12-15 **no. pages:** 3
owner: Dixie State College
contractor:
submittal date: 2011-01-11 **submittal time:** 12:00 pm

This Addendum shall be considered part of the Contract Documents and Project Manual for the above mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents and Project Manual, the Addendum shall govern and take precedence.

General:

Item	Description
4.1	See the attached document: "SUBCONTRACTOR BONDING/INSURANCE ALLOWANCE" A bond/insurance allowance is made available with the intent that shortlisted Contractors will make use of it to strengthen their team and reduce project risk. Contractors who intend to do so must come to their interviews prepared to discuss: the identity of the subcontractors you plan to bond/insure, the scope of work for each identified subcontractor, and the bond/insurance cost (which shall not exceed 2% of the amount of the subcontractor's agreement amount) of each identified subcontractor.
4.2	The Selection Committee consists of: Cyndi Gilbert - attorney, past DFCM Building Board member, and Southern Utah resident; Mark Bodell - Gramoll Construction; and Lynn Hinrichs - DFCM.
4.3	The budget for the project has been set at \$36,000,000.

Drawings:

Item	Description
4.1	FA 602 See attached for sheet FA 602.

Specifications:

Item	Description
4.1	06 4023 - Architectural Cabinets and Casework Riverwood Mills and Boswell-Olsen are to be added to the Approved Mills list in Part 2, 2.1,A.
4.2	31 6600 - Aggregate Pier Ground Improvement Advanced Geosolutions, Inc. is an approved installer as per specification part 1.4.

End of Addendum 004

SUBCONTRACTOR BONDING/INSURANCE ALLOWANCE

All short-listed Contractors shall provide within their Cost Proposals a not-to-exceed \$200,000.00 (two hundred thousand dollars) subcontractor bond/default insurance allowance. The allowance may not be applied to bond/insure subcontractors for which the cost of the subcontractor's bond/default insurance is greater than 2% of the subcontractor's contract amount. This allowance may only be used for the actual cost of performance and payment bonding of the project's subcontractors or for subcontractor default insurance. The Contractor shall not be entitled to mark-up the cost for each bond or the default insurance that is being paid by the allowance.

Prior to the Contractor's entitlement to use the allowance, the Contractor must request and obtain advance written approval by DFCM. The advance written approval shall be requested by the Contractor as follows, provide to DFCM: the identity of the subject subcontractor(s); a description of the work for each subcontractor; a description of the type of bond/default insurance; an original invoice from the bonding/default insurance company for each bond or insurance policy; copies of the bond/default insurance requirements; and any other information requested by DFCM. Upon receipt of the information, DFCM shall in writing approve or deny the Contractor's request for use of the allowance.

Any and all surplus allowance funds shall be returned to DFCM at the time of the project's substantial completion. This allowance provision does not in any way limit the right of the Contractor to bond or insure subcontractors at any tier. However, DFCM will not pay for any bond/default insurance amounts that have not received advance written approval as noted above.

In all circumstances involving subcontractor changes and/or default, unless otherwise stated in the General Conditions, the Contractor shall bear the additional cost for change in and/or default of a subcontractor at any tier. This allowance may not be used to offset the Contractor's monetary loss in the event of a changed and/or defaulted subcontractor at any tier.



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Division of Facilities Construction and Management

DAVID G. BUXTON
Director

ADDENDUM No. 5

Date: December 22, 2010

To: Short-Listed Contractors

<u>Company</u>	<u>Contact</u>	<u>Fax</u>
Big-D Construction	Kelly Hyvonen	801-415-6903
Jacobsen Construction	Blake Court	801-973-7496
Layton Construction	Bruce McDonough	801-563-4811
Okland Construction	Russell Butler	801-486-7570

From: Matthias Mueller

Reference: Holland Centennial Commons
Dixie State College – St. George, Utah
DFCM Project No. 06297640

Subject: Addendum No. 5

Pages	Addendum Cover Sheet	1 page
	<u>Architect's Addendum No.</u>	<u>41 pages</u>
	Total	42 pages

ONLY THIS SHEET IS BEING FAXED. THE ENTIRE ADDENDUM IS POSTED ON THE DFCM WEBSITE.

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

5.1 **SCHEDULE CHANGES:** There are no Project Schedule changes.

5.2 **GENERAL ITEMS:** See attached Architect's Addendum No. 5 dated December 22, 2010.

Addendum 005

project:	Dixie Centennial Commons	project no:	09625
date:	2010-12-17	no. pages:	41
owner:	Dixie State College		
contractor:			
submittal date:	2011-01-11	submittal time:	12:00 pm

This Addendum shall be considered part of the Contract Documents and Project Manual for the above mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents and Project Manual, the Addendum shall govern and take precedence.

General:

Item	Description
5.1	A request was made for As-Built drawings of the Whitehead Building and the Career Center. Original construction documents from 1969 are available for the Student Services Whitehead Building. These will be posted on the secure FTP site for download. Dixie State College also has line drawing floor plans of these buildings on their website. You can download them from: http://www.dixie.edu/campus/floor_plans_maps.php The buildings in question are listed as buildings 15 and 16.
5.2	A discrepancy was noted between sheets ASD102 and C104 for the sidewalk replacement. Refer to Sheet C104 for scope of sidewalk to be replaced.
5.3	As noted in Specification Section 003126 all asbestos containing materials will be removed from the project except for the 8" sewer pipe shown on C207, which is to be removed by contractor and replaced with 8" PVC as noted on C207.
5.4	Per the Geotechnical Report, Section 5.2 - At all exterior concrete flat work over excavate 1'-6" under the flat work and replace with structural fill.
5.5	At all exterior site walls over excavate 3'-0" as per the Geotechnical Report. These walls are, but not limited to, the wall at Grid J and east of Grid 1, walls around the Generator 100, walls around the Transformer at Grids 8 and C, and the walls at the stair at Grid 8 and C.
5.6	Eliminate sub drain "D2" on sheet AS100 along the south side of the building only. The east, west and north are to remain as drawn. Connect the east and west drain lines to the sub-drain as shown on the Civil Sheets C203 and C204.
5.7	The minimum width of the chimney drain shown at foundation walls are to be 18" as per the Keynote 3104 on Sheets A310 and A313.
5.8	The "trench drains" referred to in Note 3/C103 refer to the sub drainage system shown in the detail M/C503.
5.9	The south end of the storm drain line that gets replaced, as shown on C203, runs through a root area of a tree to be protected. This area is to be hand dug around the roots or tunneled (if slope of line allows) under the roots as per the Tree Preservation Guidelines, note #4.
5.10	The BIM model required for deferred submittals of piping is to be modeled to a threshold of 2" or greater for all piping. Any piping smaller than that does not need to be included in the model.

5.11	<p>The State of Utah Division of Facilities Management (DFCM) will be responsible for payment of the impact fees to St. George City for the Holland Centennial Commons Building on the Dixie State College campus. The impact fees for St. George City and the Water Conservancy are not included in the Project Budget.</p> <p>The General Contractor selected for the Dixie State College, Holland Centennial Commons Building will be responsible for coordination of all communications with St. George City and appropriate utility companies, including but not limited to, securing of any construction permits required, delivery of the DFCM impact fee payment to St. George City, and scheduling of St. George City inspections as it pertains to the work for the facility.</p>
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Drawings:

Item	Description
5.1	<p>Sheet ASD 101 All Elevation Call -Outs: A1, A2, A3, A4, A5, B1, B3, B5, C1, C3, C4, D1, D2, D4, D5, E1 E2, E3, E4 are to be revised to reference sheet ASD103, in lieu of sheet ASD101. These call-outs identify the view direction of the existing conditions photographs on sheet ASD103.</p>
5.2	<p>Sheet ASD102 As noted in the Tree Preservation Guidelines and Notes the Contractor is to employ an arborist, who is to work in concert with the project Landscape Architect. As per note 15 the arborist is to report monthly monitoring of planted trees to the GC, and the GC is to copy these reports to DFCM, Dixie State College and the Architect.</p>
5.3	<p>Sheet A420 Elevation D5/A420 Atrium West Revise Keynote to read "Fire Sprinkler Piping: all pipes, hangers and hardware to be painted to match mullions. Architect to select color from manufacturers full range of colors." in lieu of "Stainless steel welded fire sprinkler piping with stainless steel seismic hangers and hardware for deluge system".</p>

Specifications:

Item	Description
5.1	<p>Section 09 9100 PAINTING</p> <p>Add paragraph 1.1.A.10.a: Refer to Section 22 0553 "Mechanical Identification" for colors for pipe color coding.</p> <p>Delete paragraph 1.1.D.2 in its entirety and substitute the following: 2. Concealed Surfaces: Unless otherwise indicated, painting is not required on surfaces permanently concealed within the cavity space of framed walls or in furred spaces, pipe spaces, duct shafts or elevator shafts. Piping in utility tunnels and mechanical rooms shall be painted.</p>
5.2	<p>Section 03 4910 GLASS FIBER REINFORCED CONCRETE (GFRC)</p> <p>Delete paragraph 1.4.F in its entirety and substitute the following: F. Appearance: Ensure exposed-to-view finish surfaces of units are uniform in color and appearance. Manufacturer is to match color and finish to of architect's sample. 1. An approved manufacturer sample is Tuscan Stoneworx, Custom Color #4001, in a wood form with sandblast finish, or wood form with polish finish or foam form with sandblast finish.</p>

5.3	Section 04 4200 STONE Part 2,2.1,A,2. To read "Tuscan Rose" in lieu of "Tuscan Red".
5.4	Section 07 1420 - HOT FLUID - APPLIED WATERPROOFING - EXTERIOR TERRACE 1. Change Paragraph 2.1.B.5 from Tremproof 150 to Tremproof 6100
5.5	Section 07 1800 - TRAFFIC COATINGS 1. Add paragraph 2.2.A.5: "5. Sherwin-Williams/General Polymers: Product EPO-FLEX MER I.
5.6	Section 07 2727 - FLUID APPLIED AIR AND MOISTURE BARRIERS 1. General note for section 07 2727: It is the intent of the specifications to require a non-permeable barrier product. 2. Add Paragraph 2.1.A.1.d. "d. Tremco ExoAir 120; www.tremcosealants.com.
5.7	Section 10 5626 - MOBILE STORAGE SHELVING UNITS 1. Add Paragraph 2.1.C: "Aurora Tempo; www.aurorastorage.com (distributed by Nationwide Shelving; www.nationwideshelving.com)
5.8	Section 11 5123 - CANTILEVER SHELVING (LIBRARY BOOKSTACKS) 1. Add Paragraph 2.1.C: "C. Esty, Division of Tennsco Corp.; www.tennsco.com
5.9	Section 09 5100 - ACOUSTICAL CEILINGS 1. Under Paragraph 2.2. B "Ceiling Types" Type H Ceiling, add Hunter Douglas Hook-On as an approved equal.

Details:

Item	Description
5.1	GFRC Details Add light gage framing where needed to securely hold the insulation in place within the GFRC panel system. Framing should be on vertical sides to allow weeping at the bottom of the panel. See attached for revised Detail B5/A513 for example.

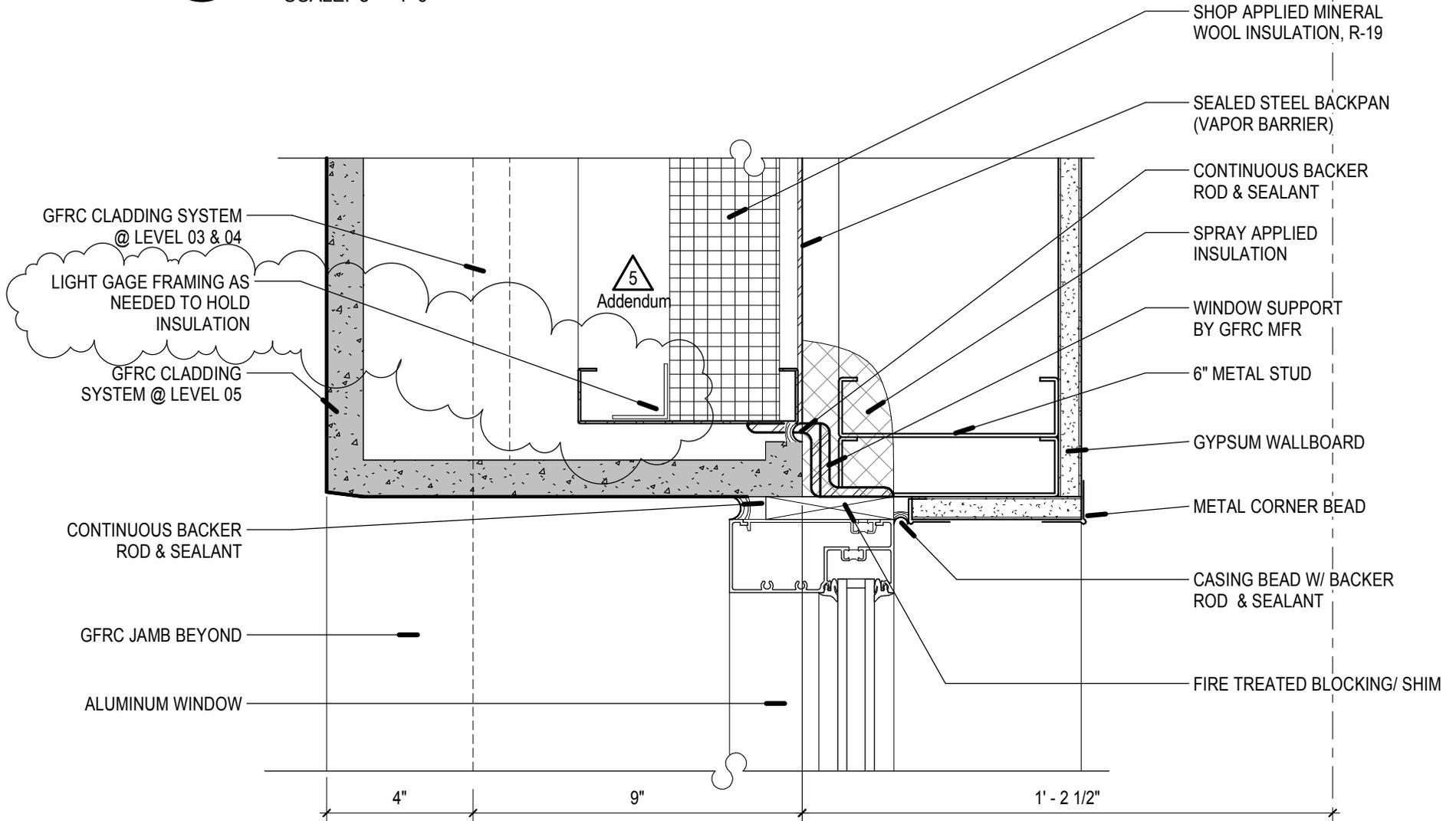
End of Addendum 005

C5

HEAD @ GFRC_WINDOW

SCALE: 3" = 1'-0"

GRID



B5

JAMB @ GFRC_WINDOW

SCALE: 3" = 1'-0"

SEAL SUB SILL FLASHING

**Dixie State College of Utah
Holland Centennial Commons
Addendum #5
Civil Drawings and Specifications**

December 21, 2010

The following addendum items shall be incorporated into the contract documents and specifications:

General Clarifications

1. The existing landscaping called out to be replaced on sheet C203 is grass.
2. For the diamond block wall called out to be replaced on sheet C203, the existing blocks may be reused if in good condition. The wall is to be installed to match the existing diamond block wall.

Drawings

Sheet C101

3. A note has been added to call out sidewalk and asphalt replacement for the installation of the new fire hydrant per Item #7 of this addendum. See sheets AD5-3 through AD5-5 of this addendum.

Sheet C102

4. Demolition limits around the Whitehead Building and Career Center have been modified. See sheets AD5-6 and AD5-7 of this addendum.

Sheet C103

5. Note 3 has been modified to read:

“SUBDRAIN TO BE INSTALLED PRIOR TO SITE EXCAVATION ACTIVITIES TO FACILITATE DEWATERING OF THE EXCAVATION. SEE SHEET C204 FOR SUBDRAIN PLAN & PROFILE.”

Sheet C104

6. New stairs have been added west of the demolished Career Center. In addition, the new sidewalk has been modified in this area for the new demolition limits per Item #4 of this addendum. See sheet AD5-8 of this addendum.

Sheet C201

7. A new fire hydrant and connection to the existing water line along 800 East has been added. See sheets AD5-3 through AD5-5 of this addendum.

Sheet C302

8. Additional grading for the relocated transformer at the Central Plant has been added. See sheet AD5-9 of this addendum.
9. The grading has been revised for the modification of the new sidewalk and to specify grades for the new stairs per Item #6 of this addendum. See sheet AD5-10 of this addendum.

Sheet C501

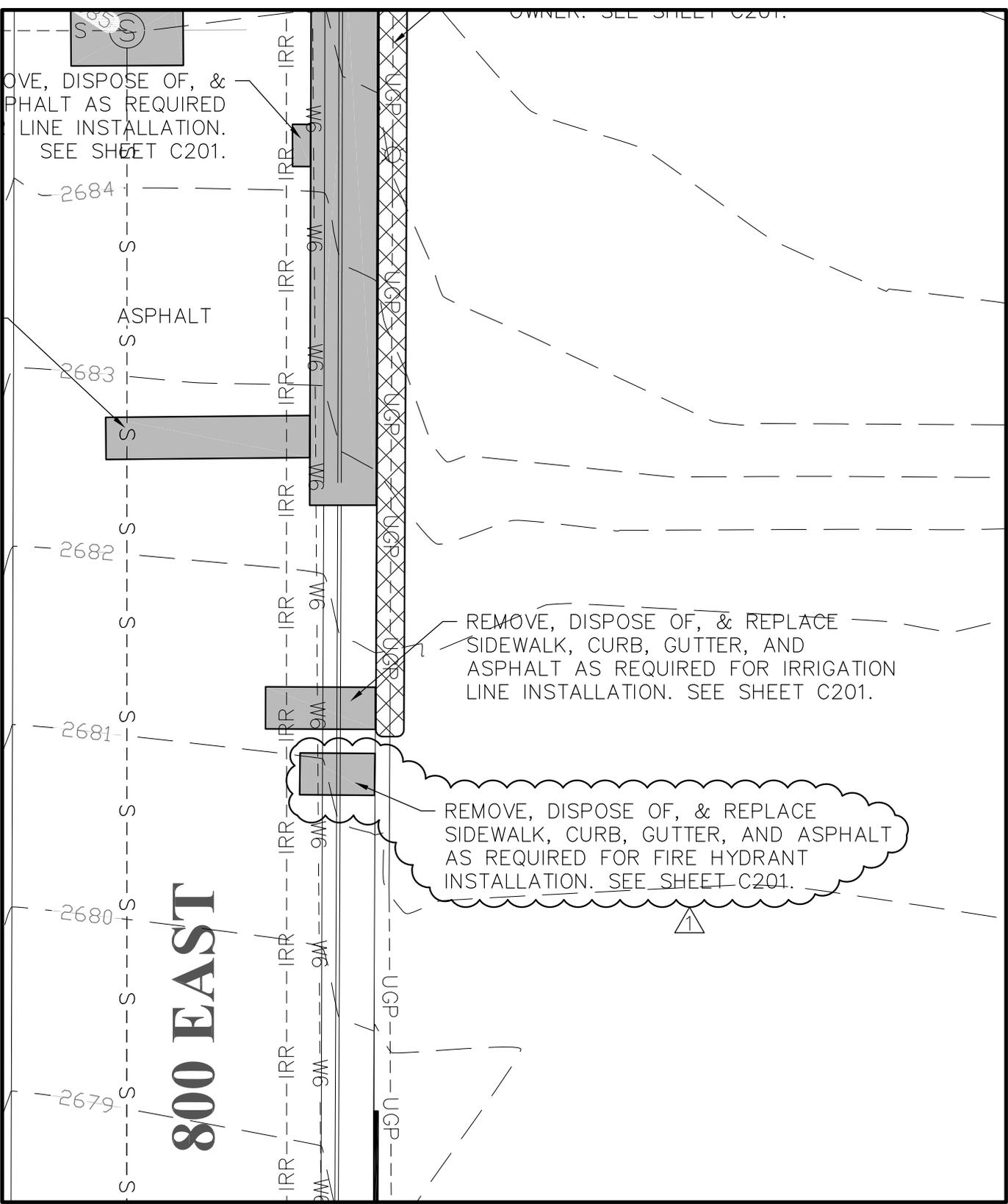
10. A detail for a fire hydrant has been added to the details per Item #7 of this addendum. See sheets AD5-3 through AD5-5 of this addendum.

Sheet C503

11. The detail for the sidewalk has been modified to include overexcavation for the sidewalk. See sheet AD5-11 of this addendum.

End of Civil Addendum #5

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HOLLAND CENTENNIAL COMMONS
 ADDENDUM #5
 SHEET C101

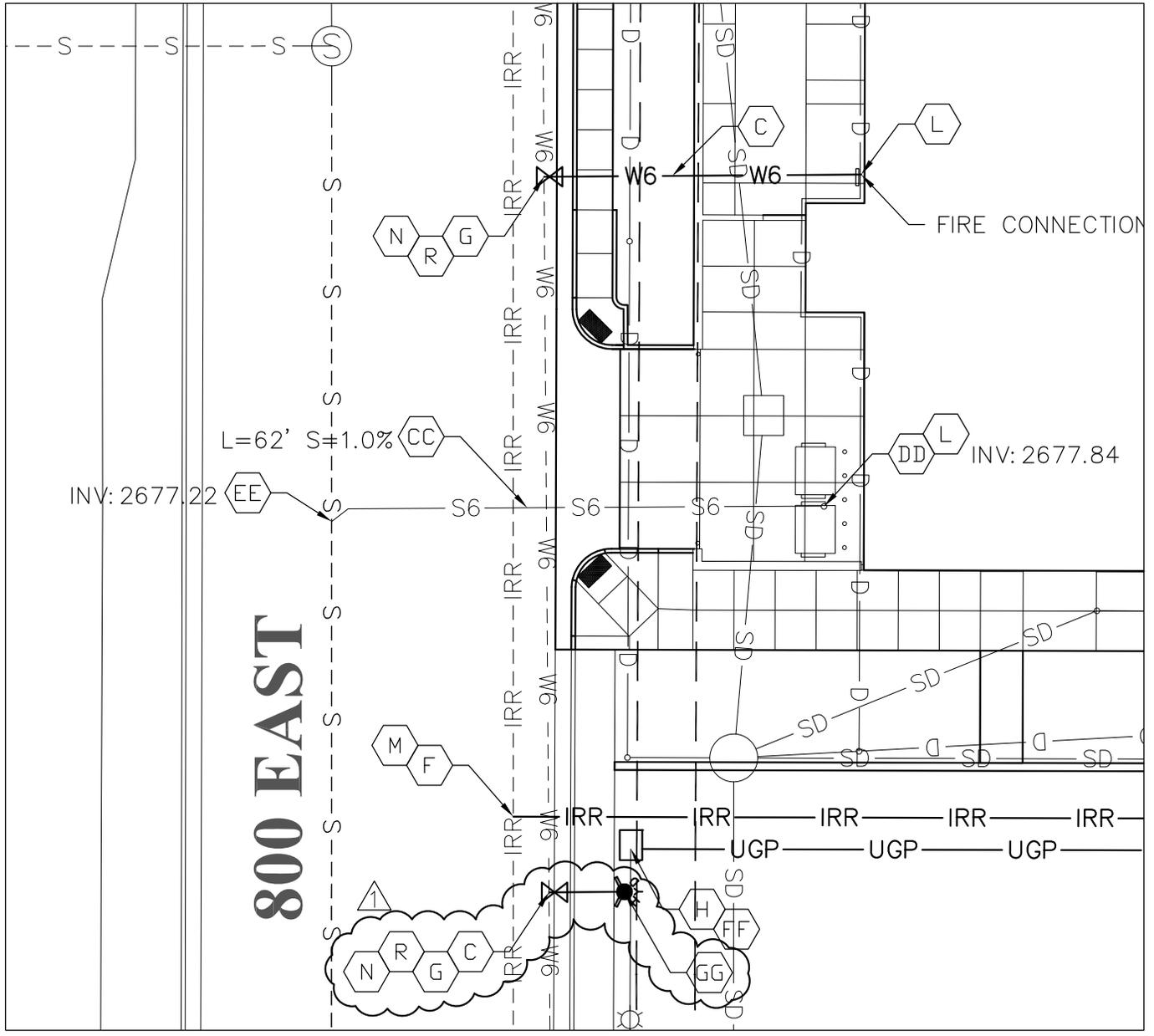
AD5-3

▲ ADDED ASPHALT/SIDEWALK REPLACEMENT



43 SOUTH 100 EAST, ST. GEORGE, UT 84770
 TEL: 435-628-6500 FAX: 435-628-6553

- AA 8" 11.25° ELBOW. SEE DETAIL C, SHEET C501.
- BB 8x6 REDUCER. SEE DETAIL C, SHEET C501.
- CC 6" SDR-35 SEWER PIPE. SEE DETAIL A, SHEET C501.
- DD SEWER CLEANOUT. SEE DETAIL D, SHEET C502.
- EE CONNECT TO EXISTING SEWER LINE
- FF RE-PULL CONDUCTOR AS REQ'D TO RESTORE ELECTRICAL SERVICE
- GG FIRE HYDRANT. SEE DETAIL BB, C501. 



HOLLAND CENTENNIAL COMMONS
 ADDENDUM #5
 SHEET C201

AD5-4

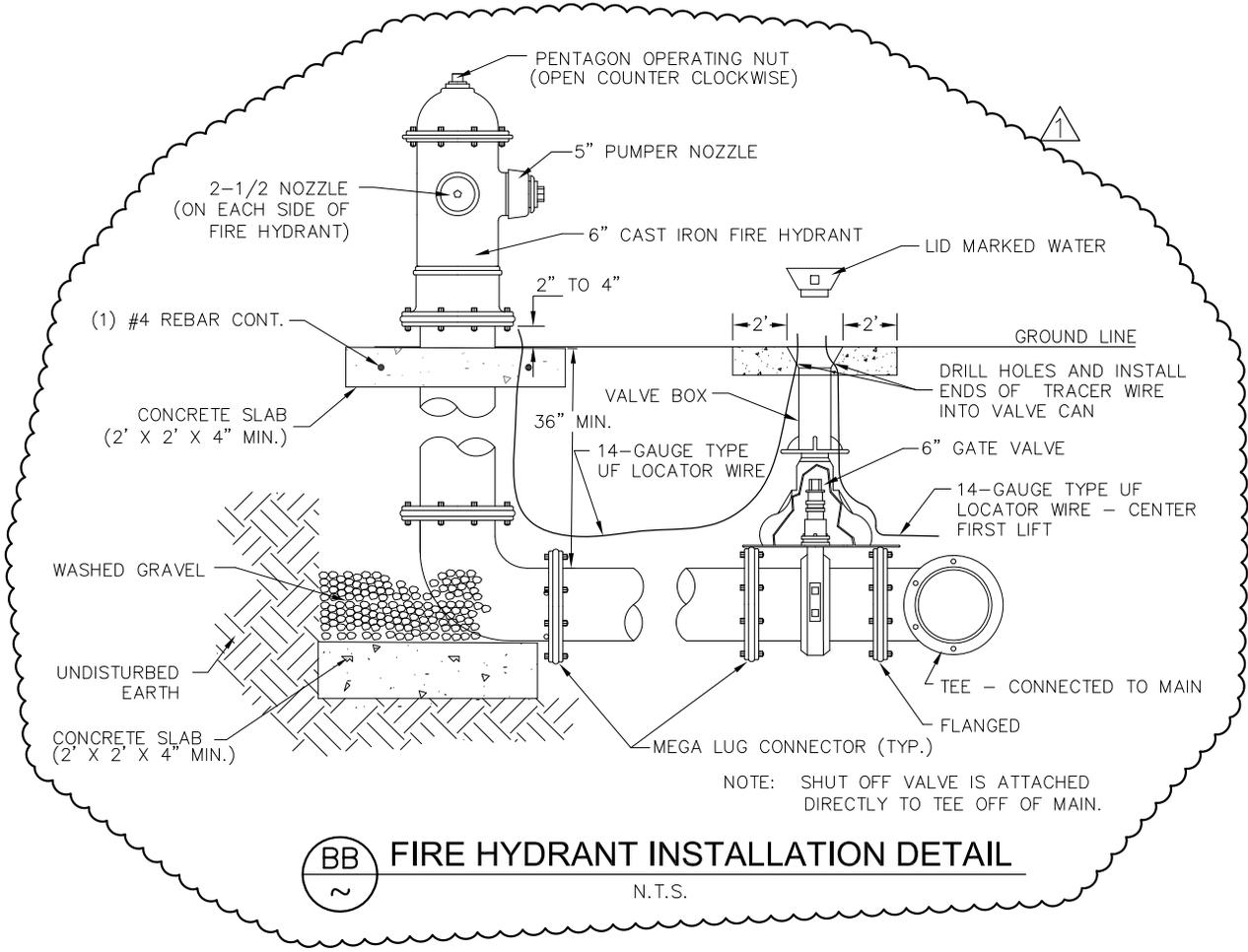
 ADDED FIRE HYDRANT & CONNECTION TO EX. WATER



43 SOUTH 100 EAST, ST. GEORGE, UT 84770
 TEL: 435-628-6500 FAX: 435-628-6553

- 2. REF
- 3. DEF
PLANS
EACH
DEAD
FEET
4"Ø P
- 4. ALL
STAND

MATERIAL
DENSITY
-1557



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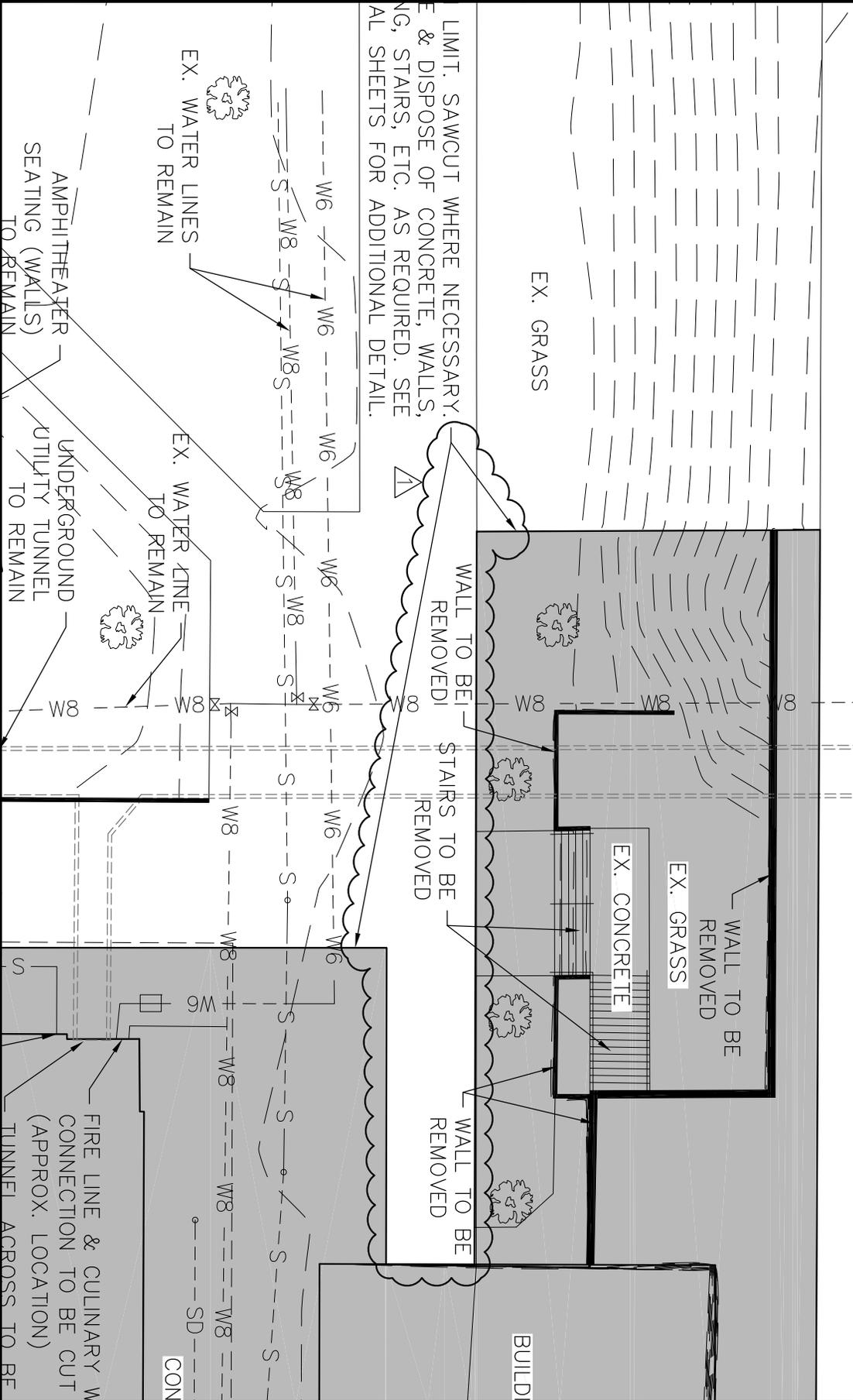
HOLLAND CENTENNIAL COMMONS
ADDENDUM #5
SHEET C501

AD5-5

▲ ADDED FIRE HYDRANT DETAIL

ALPHA
ENGINEERING COMPANY
43 SOUTH 100 EAST, ST. GEORGE, UT 84770
TEL: 435-628-6500 FAX: 435-628-6553

TUNNELLED ACROSS TO BE ABANDONED.
COORDINATE W/ ARCHITECTURAL PLANS.



LIMIT. SAWCUT WHERE NECESSARY.
E & DISPOSE OF CONCRETE, WALLS,
NG, STAIRS, ETC. AS REQUIRED. SEE
AL SHEETS FOR ADDITIONAL DETAIL.

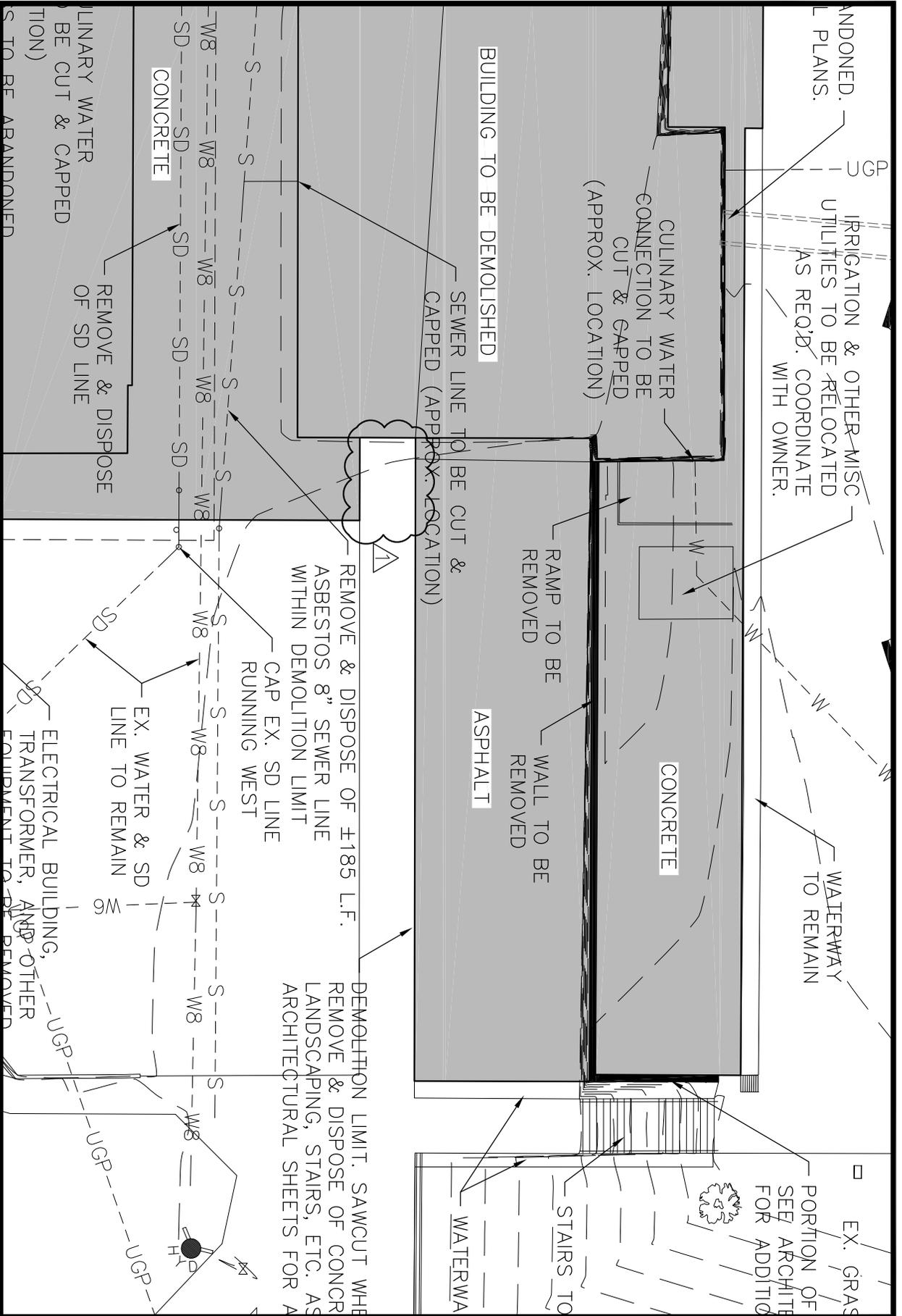
HOLLAND CENTENNIAL COMMONS

ADDENDUM #5
SHEET C102

AD5-6
MODIFIED DEMOLITION LIMIT & SAWCUT LINE.



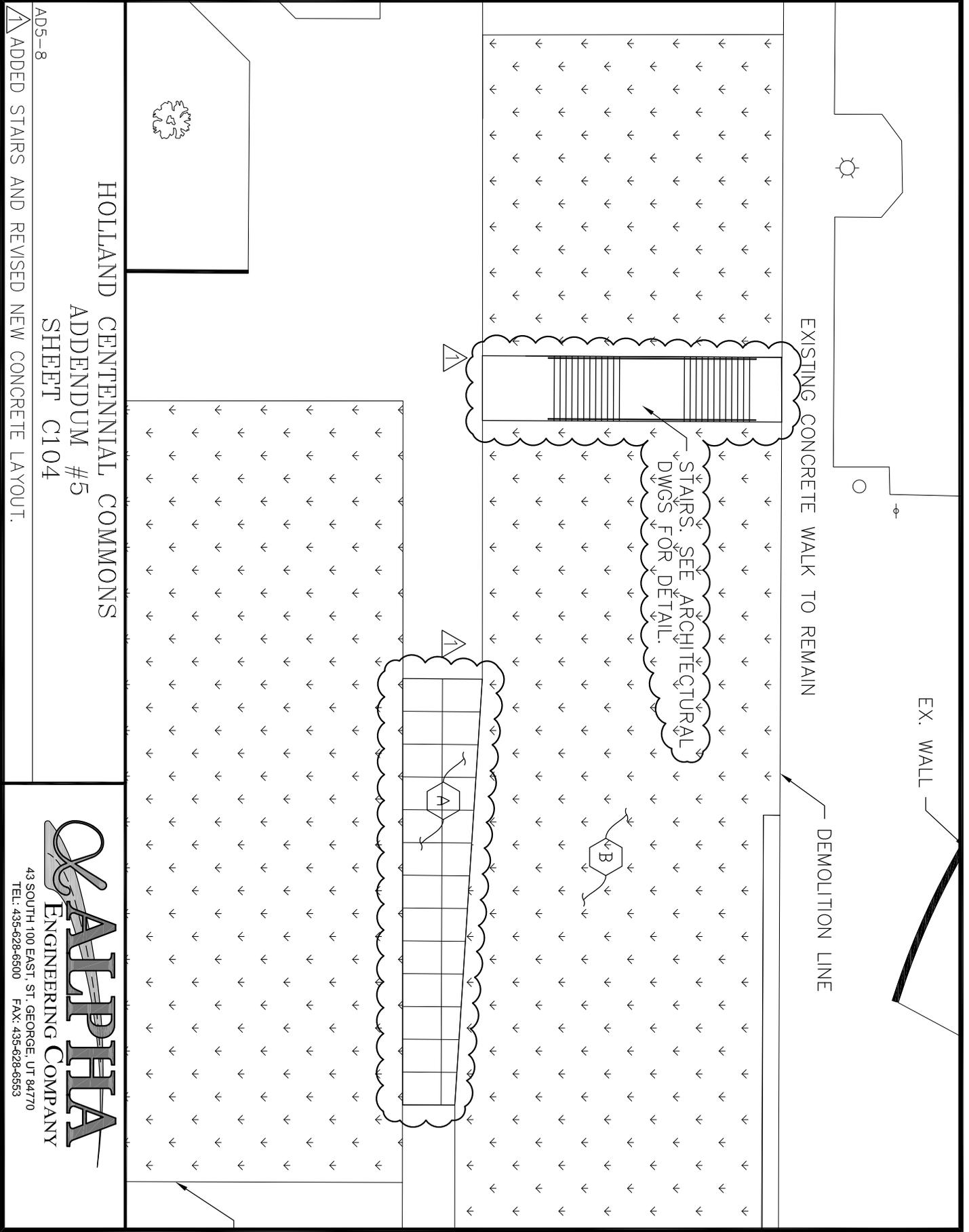
43 SOUTH 100 EAST, ST. GEORGE, UT 84770
TEL: 435-628-6500 FAX: 435-628-6553



AD5-7
 MODIFIED DEMOLITION LIMIT & SAWCUT LINE.

HOLLAND CENTENNIAL COMMONS
 ADDENDUM #5
 SHEET C102

43 SOUTH 100 EAST, ST. GEORGE, UT 84770
 TEL: 435-628-6500 FAX: 435-628-6553



HOLLAND CENTENNIAL COMMONS

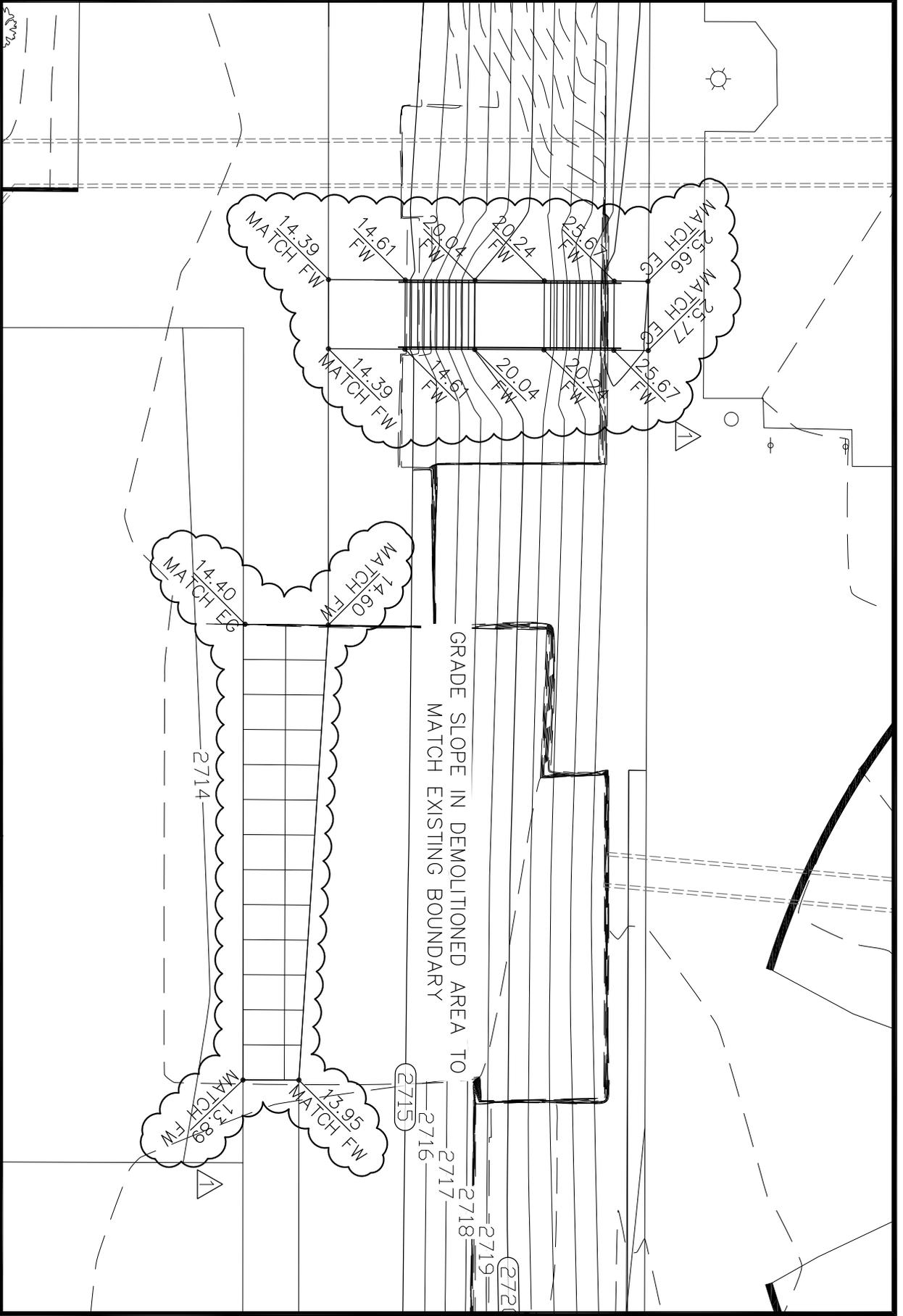
ADDENDUM #5

SHEET C104

AD5-8
ADDED STAIRS AND REVISED NEW CONCRETE LAYOUT.



43 SOUTH 100 EAST, ST. GEORGE, UT 84770
TEL: 435-628-6500 FAX: 435-628-6553



HOLLAND CENTENNIAL COMMONS

ADDENDUM #5

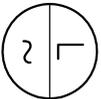
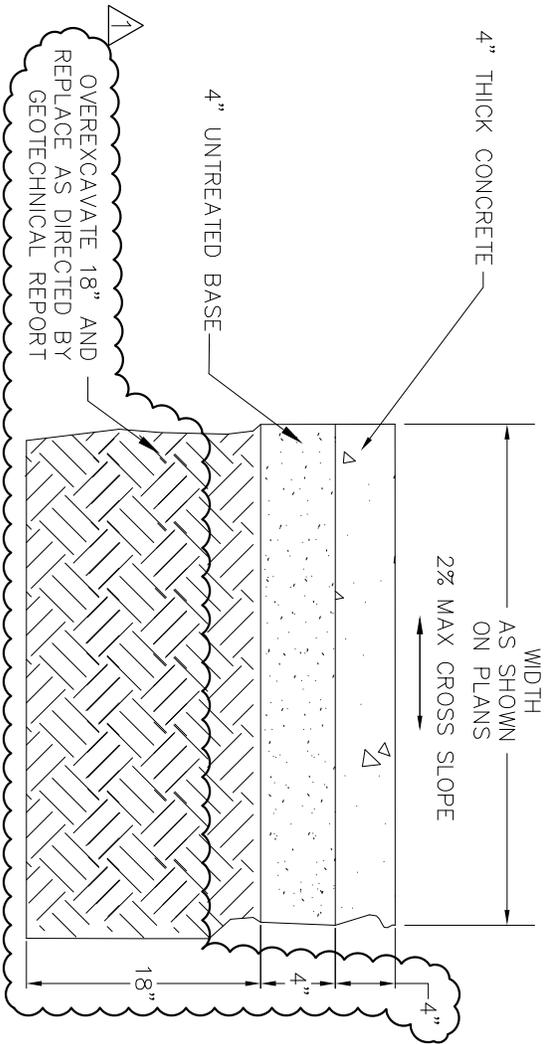
SHEET C302

AD5-10

ADDED GRADING TO NEW STAIRS & MODIFIED GRADING PER NEW CONCRETE.



43 SOUTH 100 EAST, ST. GEORGE, UT 84770
TEL: 435-628-6500 FAX: 435-628-6553



ON-SITE CONCRETE SIDEWALK SECTION

N.T.S.

NOTES:

1. SEE ARCHITECTURAL DETAILS FOR EXPANSION JOINT DETAIL AND SPACING FOR ON SITE SIDEWALK & CURB.
2. SEE ST GEORGE CITY STANDARDS FOR SIDEWALK EXPANSION JOINT DETAIL AND SPACING FOR SIDEWALK AND CURB IN THE PUBLIC RIGHT-OF-WAY.

HOLLAND CENTENNIAL COMMONS

ADDENDUM #5

SHEET C503

AD5-11

REVISD ON-SITE CONCRETE SIDEWALK DETAIL.



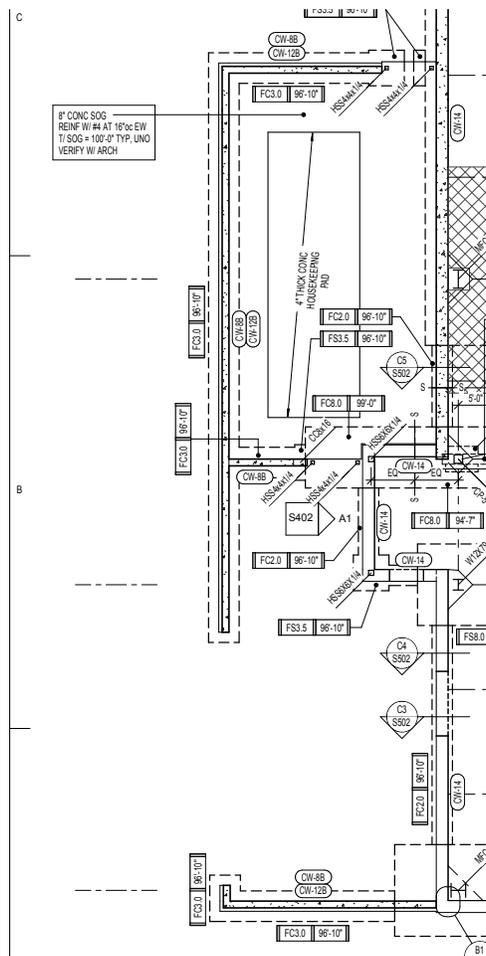
43 SOUTH 100 EAST, ST. GEORGE, UT 84770
TEL: 435-628-6500 FAX: 435-628-6553



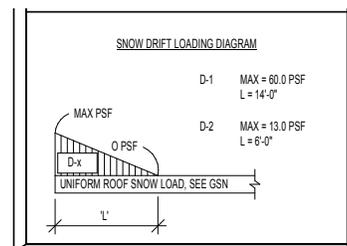
DUNN ASSOCIATES, INC
 Consulting Structural Engineers

Holland Centennial Commons DFCM Project #06297640
Structural Addendum
December 21, 2010

Sheet	Item	Description
S111	1	The screen wall footings running north south, to the west of Grid 1 and between D.3 and F.2, should be FC3.0 (not FC2.0). See below
	2	The screen wall footing running east west, on Grid D.3 and just west of Grid 1, should be FC3.0 (not FC2.0). See below



S162 1 In the Snow Drift Loading Diagram, D-1 maximum snow drift should be 60 psf (not 6.0 psf). See below



MECHANICAL ADDENDUM NO. 5

Dixie State College Holland Centennial Commons

CEA PROJECT NO. 2010-004.00

December 21, 2010

All contractors submitting proposals for this project shall be governed by the following addendum, changes, and explanations to the bidding documents. Bids shall be submitted in accordance with the following:

Item No.	Add, Delete or Clarify	Specification Section or Drawing No.	Reference / Description:
1.1	Add	235700 2.5	Add specification for electric unit heaters. See attached specification.
1.2	Clarify	230529	Clarify pipe and equipment identification. See attached specification.
1.3	Clarify	232500 1.5	Clarify that the pipe cleaning certificate must be submitted. See attached specification.
1.4	Clarify	MH102	Relocate diffusers. See ADD MH1.02.
1.5	Clarify	MH102M, MH104	Thermostat and CO2 sensor locations See ADD MH1.01, ADD MH1.03, & ADD MH1.04.
1.6	Clarify	FP103	Keyed Note 3: Increase sprinkler head spacing to 10' over compact storage areas.

PRODUCT SUBSTITUTIONS / PRIOR APPROVALS

Item No.	Specification Section	Product Type	Alternate Manufacturers
1.7	232113 2.17	Flow Measuring System	Hays
1.8	233400 2.3	Centrifugal Fans	Greenheck
1.9	233713 2.3	Ceiling Slot Diffusers	Titus, Price, Krueger
1.10	236400 2.6	Special Collections Air Conditioning System	CompuAire

The above named alternate equipment manufacturers stand approved in name only. Approval here in no way relieves the supplier from complying with all other engineering, weight spatial, and quality requirements of equipment indicated in the contract documents. Contractors using products from the above named alternate manufacturers shall refer to Specification Section 230500 for detailed contractor responsibilities related to the use of alternate brands not used as the Basis of Design.

I:\PROJECTS\2010 Projects\2010-004.00 Dixie State College Centennial Commons\Addenda\Mechanical Addendum #1.docx

END OF ADDENDUM NO. 5

I:\PROJECTS\2010 Projects\2010-004.00 Dixie State College Centennial Commons\Addenda\Mechanical Addendum
#1.docx

HVAC / Energy Efficient Solutions / CFD Modeling / Air Pollution Control
244 West 300 North, Suite 200 / Salt Lake City, Utah 84103-1147 / 801.322.2400 / FAX 801.322.2416

2.4 FAN COIL UNITS

- A. Acceptable Manufacturers: Carrier, Trane, McQuay, York, Lanco, First Co., Williams, Customair.
- B. Units shall consist of coils, drain pan assembly, filter, and centrifugal fan with drive mounted in a common cabinet for independent air delivery from a single unit. Units shall be complete except for controls. All oiling connections shall be extended to exterior of casing to facilitate maintenance without removing sound proofing on exterior of unit.
- C. Casings shall be constructed of 16 gauge steel, phosphatized to assure paint adherence and finished with baked enamel. Casings shall be provided with 3/4" glass fiber material meeting NFPA 90A to prevent condensation.
- D. Coils shall be 2-row or 4-row design. Aluminum fins shall be mechanically bonded to 1/2 inch O.D. seamless copper tubes. All coils shall be specifically designed and circuited for water use. All coils shall be tested at 300 PSI.
- E. Fans shall be forward curved, centrifugal blower type fans equipped with heavy duty adjustable V-belt drive. The fan shaft shall be supported by a permanently lubricated bearing. All fans shall be dynamically balanced.
- F. Drain pans shall be integrally attached to coil casings and are complete with threaded pipe drain connection. All pans shall be galvanized for corrosion resistance and cover the entire coil length. Drain pans shall be waterproofed to prevent leakage.
- G. Filters shall be provided on all units. Filters shall be one inch high efficiency throw-away type. Filter access shall be from the side of the unit.
- H. Motors shall be as scheduled on the plans. Reference specification Section 230529 for additional requirements.

2.5 ELECTRIC CABINET HEATERS AND UNIT HEATERS

- A. Acceptable Manufacturers: Chromalox, Indeeco, Modine, Electromode, Sterling, Raywall, Markel, QMark.
- B. Provide electric cabinet heaters and unit heaters of size and capacity as shown on Drawings.
- C. Unit Cabinet: Shall be 14 gauge steel, enameled cabinet, color as selected by Architect, adjustable discharge louvers.
- D. Motor and Blower Fans: Direct drive, blow-through design, two-speed motors and switch, resilient mounted. Motor and blower to be easily accessible for servicing. Bearings to be factory lubricated.
- E. Electric Heating Elements: Fin-tube with helical fins with overheat protection. Unit to be furnished with thermostat for remote mounting as shown on drawings, tamperproof. Provide all contactors, relays, etc., as required. Entire unit to be U.L. approved.
- F. Units to be provided with a summer-winter switch to allow operation without heat when desired. Operation as follows: Fan to be cycled by remote thermostat to maintain space temperature. Provide delay switch to keep fan from operating on call for heat until heating elements have warmed up.

- C. Removal and Repair Provisions:
 - 1. Provide all valves which are not accessible for repair without removal from piping with union connection immediately adjacent to valve outlet.

3.10 PAINTING

- A. Surfaces of equipment and materials to be thoroughly cleaned and left ready for painting in accordance with Architectural Painting Specifications.
- B. Duct interiors visible through registers, grilles and diffusers shall be painted flat black.
- C. All other painting of mechanical equipment and piping, unless otherwise noted, shall be performed under other divisions of the work with the exception of identification of piping and equipment which will be the responsibility of the Division 23 Contractor.

3.11 IDENTIFICATION OF PIPING AND EQUIPMENT

- A. General: Provide pipe identification, valve tags, stencils, or engraved nameplates to clearly identify the mechanical equipment, piping and controls of the various mechanical systems and direction of flow in piping.
- B. All accessible duct and piping shall be color coded and identified with wording and arrows every 50 feet, at each riser, at each junction, at each access door, and where required to easily identify the medium transported.
- C. All piping, supports, and housekeeping pads shall be painted per the list below where pipe is exposed to view. Where pipe or duct is concealed, Background Color in a 2' band and labeling shall be provided every 50'. Paint shall be Benjamin Moore Enamel, Impervo, or Industrial Coatings.
 - 1. Identifying lettering shall be painted or stenciled on duct or pipe over the background color. Self-adhesive or glue-on type labels are acceptable. Letters shall be 2" high for duct and larger piping 3" or more, 1" high for 1-1/4" to 2-1/2" pipe, and 1/2" high for 1" pipe and smaller.
 - 2. Arrows to indicate direction of flow shall be painted over the background color in the same color as the lettering. The arrow shall point away from the lettering. On duct and large piping 3" or more in diameter, the "shaft" of the arrow shall be 2" long and 1" wide. Smaller piping, 2-1/2" or less, shall have arrows with a shaft 1/2" wide and 2" long. Use a double-headed arrow if the flow can be in either direction.
 - 3. Housekeeping pads shall be painted with Industrial Coating – Safety Green, M22-92.
 - 4. Pumps and motors shall be spray painted with Dem-Kote Industrial Enamel, Blue Gray, 6MT50.
 - 5. Valves, flex joints, Valve bolts, Anchor bolts, Solenoid Valves, etc. shall be spray painted with Dem-Kote, Industrial Silver, 6MT45.
 - 6. Use zinc chrome primer on all galvanized and aluminum metal surfaces before painting.
- D. Methods for identification shall be as follows:

1. Metal Tags: Stamp tags with letter prefixes to indicate service, followed by a number for location in system.
2. Engraved Nameplates: Attach nameplates with brass screws. Pressure-sensitive embossed labels are not acceptable. Nameplates shall bear the same identifying legend used on the Contract Documents.
3. Painted Stencils: Stenciled markings shall be neatly performed with no overspray, drips, or other imperfections. Pipes and equipment to be stenciled shall first be wiped clean of dirt, dust, rust, grease and moisture. Pipes and smooth, hard surface in the area the stencil is to be applied. Paint application shall comply with Architectural Painting Specifications.

Size of Legend and Letters for Stencils:

Insulation or Pipe Diameter	Length of Color Field	Size of Letters
¾" to 1-1/4"	8"	1/2"
1-1/2" to 2"	8"	3/4"
1" and less	24"	½"
1-1/4" to 2-1/2"	24"	1"
Over 3"	24"	2"
Ductwork and Equipment	NA	2"

4. Piping Legend and Color (Contractor shall obtain written approval of colors from Owner's representative prior to starting work.)

<u>Legend</u>	<u>Pipe/Insulation Jacket</u>	<u>Direction Arrow</u>	<u>Lettering Color</u>
<u>Chilled Water Supply</u>	<u>Ironclad – Safety Blue #071-35</u> <u>Industrial Coating – Safety Blue</u>	<u>Arrow</u>	<u>White</u>
<u>Chiller Water Return</u>	<u>Ironclad – Safety Blue #071-35</u> <u>Industrial Coating – Safety Blue</u>		<u>White</u>
<u>Tower Water Supply</u>	<u>Ironclad – Safety Orange #071-65</u> <u>Industrial Coating – Safety Orange – CM22-65</u>	<u>Arrow</u>	<u>White</u>
<u>Tower Water Return</u>	<u>Ironclad – Safety Orange #071-65</u> <u>Industrial Coating – Safety Orange – CM22-65</u>		<u>White</u>
<u>Domestic Cold Water</u>	<u>Industrial Coating – Bright Lime MZZ-4B</u>	<u>Arrow</u>	<u>White</u>
<u>Domestic Hot Water</u>	<u>Industrial Coating – Bright Lime MZZ-4B</u>	<u>Arrow</u>	<u>White</u>

<u>Legend</u>	<u>Pipe/Insulation Jacket</u>	<u>Direction Arrow</u>	<u>Lettering Color</u>
<u>Domestic Hot Water Return</u>	<u>Industrial Coating – Bright Lime MZZ-4B</u>	<u>Arrow</u>	<u>White</u>
<u>Fire Protection</u>	<u>Red</u>		<u>White</u>
<u>Drain and Pressure Relief Lines</u>	<u>Impervo – Gypsy Gold 134-3B</u>	<u>Arrow</u>	<u>Black</u>
<u>High Temperature Water Supply</u>	<u>Ironclad – Red Impervo – PR-31</u>	<u>Arrow</u>	<u>Black</u>
<u>High Temperature Water Return</u>	<u>Ironclad – Red Impervo – PR-31</u>	<u>Arrow</u>	<u>Black</u>
<u>Heating Water Supply</u>	<u>Ironclad – Red Impervo – PR-31</u>	<u>Arrow</u>	<u>White</u>
<u>Heating Water Return</u>	<u>Ironclad – Red Impervo – PR-31</u>	<u>Arrow</u>	<u>White</u>
<u>Softened Water</u>	<u>Industrial Coating – Bright Lime MZZ-4B</u>	<u>Arrow</u>	<u>White</u>
<u>Roof Drain</u>	<u>Ironclad Shelburne Buff #HC-28</u>	<u>Arrow</u>	<u>White</u>

5. Pressure Sensitive Markers: Apply pressure sensitive markers in accordance with manufacturer's recommendations with complete wrap around may be used at Contractor's option. Marker adhesion will be tested for permanence. Any markers showing dog ears, bubbles, or other failings shall be replaced.

E. Identification of Piping: Identify all piping utilizing pressure sensitive marker or stenciled markings according to the following procedures:

1. Use an arrow marker for each pipe-content legend. The arrow shall always point away from the pipe legend and in the direction of flow: color and height of arrow to be same as content legend lettering.
2. If flow can be in both directions, use a double-headed arrow indication.
3. Apply pipe legend and arrow indication at every point of pipe entry or exit where line goes thru wall or ceiling cut.
4. Apply pipe legend and arrow indication within 3" of each valve to show proper identification of pipe contents and direction of flow.
5. The legend shall be applied to the pipe so that lettering is in the most legible position. For overhead piping, apply legend on the lower half of the pipe where view is unobstructed, so that legend can be read at a glance from floor level.
6. For pipes under 3/4" O.D., fasten brass tags securely at specified legend locations.
7. Insulated piping equipped with electric heat trace shall additionally be labeled "Electric Traced" with label of same size and color as the pipe legend.

- F. Valves: All valves, including but not limited to domestic hot and cold water, hot water recirculation, heating water, chilled water, condenser water, fire protection, and special service valves located inside the building, shall be tagged and identified as to type of service, location number, and normal valve position (normally open or normally closed).

1.4 QUALITY ASSURANCE

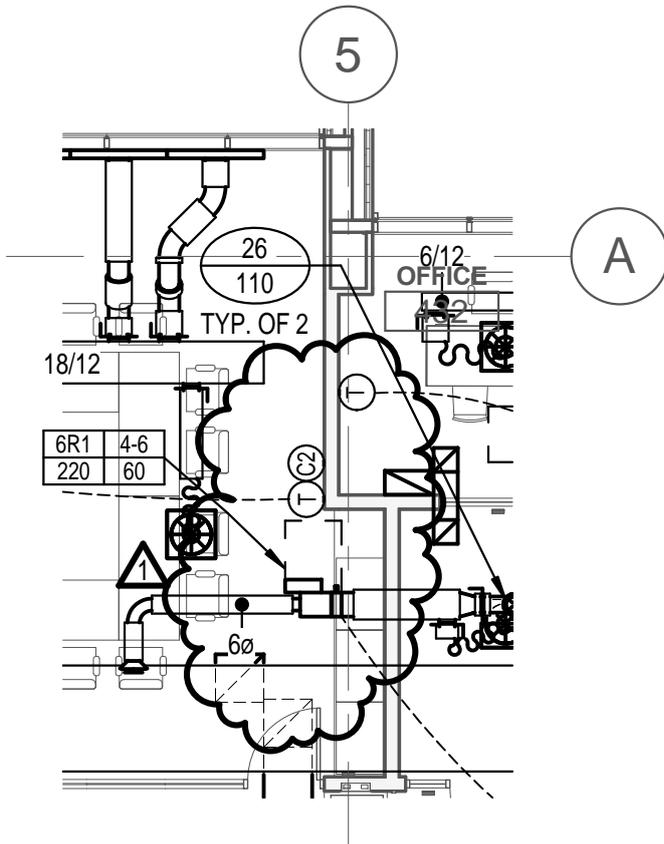
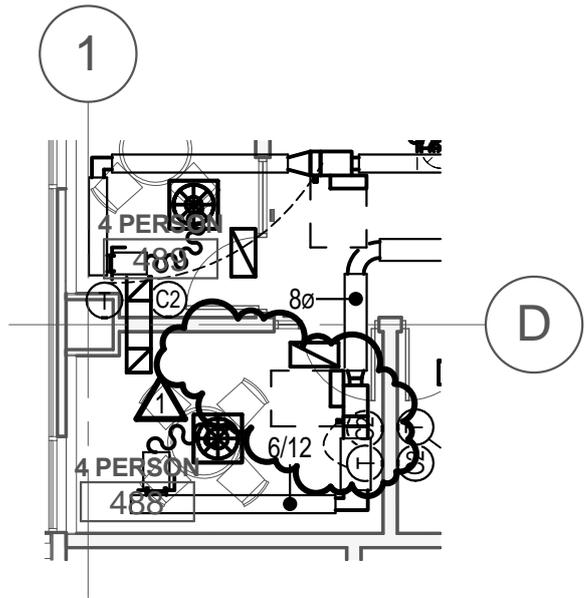
- A. The Water Treatment, Chemical and Service Company shall be a recognized specialist, active in the field of industrial water treatment for at least ten years, whose major business is in the field of water treatment, and shall have regional water analysis laboratories, development facilities and service department, plus full-time service personnel within the locale of the job site.
- B. All products shall be provided by a single Contractor to ensure there being a single source of responsibility.
- C. While it is recognized that there are, for most items, several equal brands and manufacturers, the bidders will for the purpose of this bid, offer only specified equipment and chemicals.
- D. Acceptable Water Treatment, Chemical and Service Suppliers meeting the above requirements for this project are as follows:
 - 1. Nalco
 - 2. Hi-Valley Chemical
 - 3. WEST, Inc.
 - 4. Alpine Technical Services
 - 5. Power Engineering Company
- E. Firms not listed above must submit a list of satisfied customer service references and evidence of qualifications and experience for acceptance to execute the work on this project under provisions of the General Conditions of the Contract.

1.5 SUBMITTALS

- A. Technical Data: Submit Shop Drawings and Product Data for the following items in accordance with the General Conditions of the Contract:
 - 1. Water Treatment Materials and Equipment.
 - 2. Control Diagrams.
 - 3. Chemicals and quantity provided.
- B. Operating Instructions and Maintenance Data: Submit printed Operating Instructions and Maintenance Data for the following items in accordance with Operating and Maintenance Data Paragraph in Section 230500.
 - 1. All Water Treatment Equipment and Procedures.
 - 2. Water Treatment Program Control Chart.
 - 3. Certificate documenting the cleaning and flushing of all HVAC water systems.

1.6 MAINTENANCE SERVICE

- A. Provide the services of a fully qualified Field Engineer and laboratory and technical assistance from a fully qualified laboratory staff for one year warranty period. Services and assistance shall include the following:



PROJECT:
HOLLAND CENTENNIAL
COMMONS

Sheet Title:

ADDENDUM #5
RELOCATE THERMOSTAT AND CO2 SENSOR

DATE: 12/20/10

ARCH REF:

BY: Author

ORIGINAL SHEET NO:
MH104



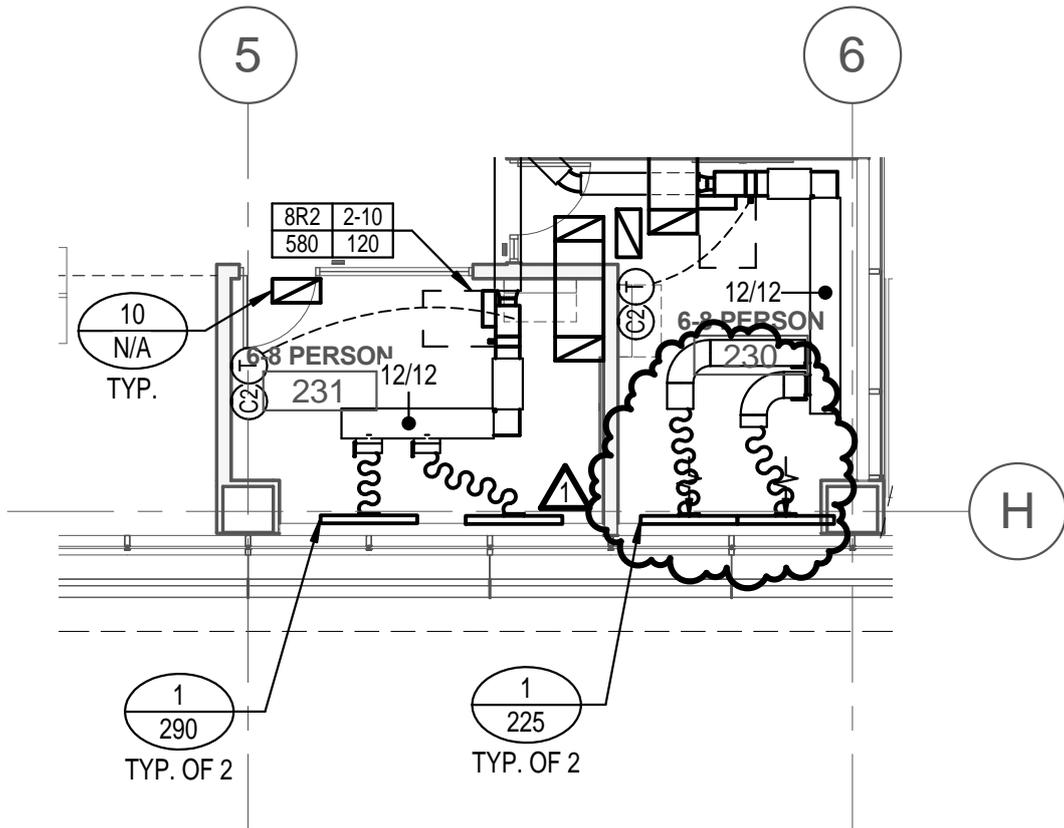
Colvin ENGINEERING ASSOCIATES, INC.

244 West, 300 North, Suite 200 / Salt Lake City, Utah 84103-1108
(801) 322-2400 / Fax (801) 322-2416

SCALE:
1/8" = 1'-0"

JOB NO:
2010-004.00

ADD
MH1.03



PROJECT:
HOLLAND CENTENNIAL
COMMONS

Sheet Title:

ADDENDUM #5
SLOT DIFFUSERS RELOCATION

DATE: 12/20/10

ARCH REF:

BY: Author

ORIGINAL SHEET NO:
MH102

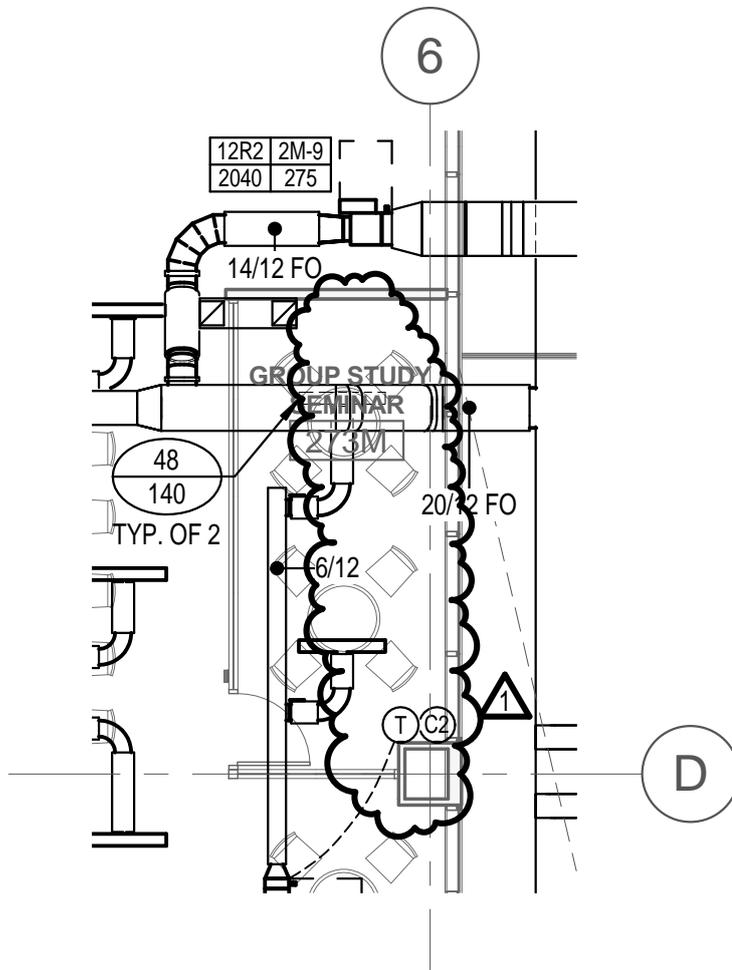


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PROJECT:
HOLLAND CENTENNIAL
COMMONS

Sheet Title:

ADDENDUM #5
RELOCATE THERMOSTAT AND CO2 SENSOR

DATE: 12/20/10

ARCH REF:

BY: AW

ORIGINAL SHEET NO:
MH102M



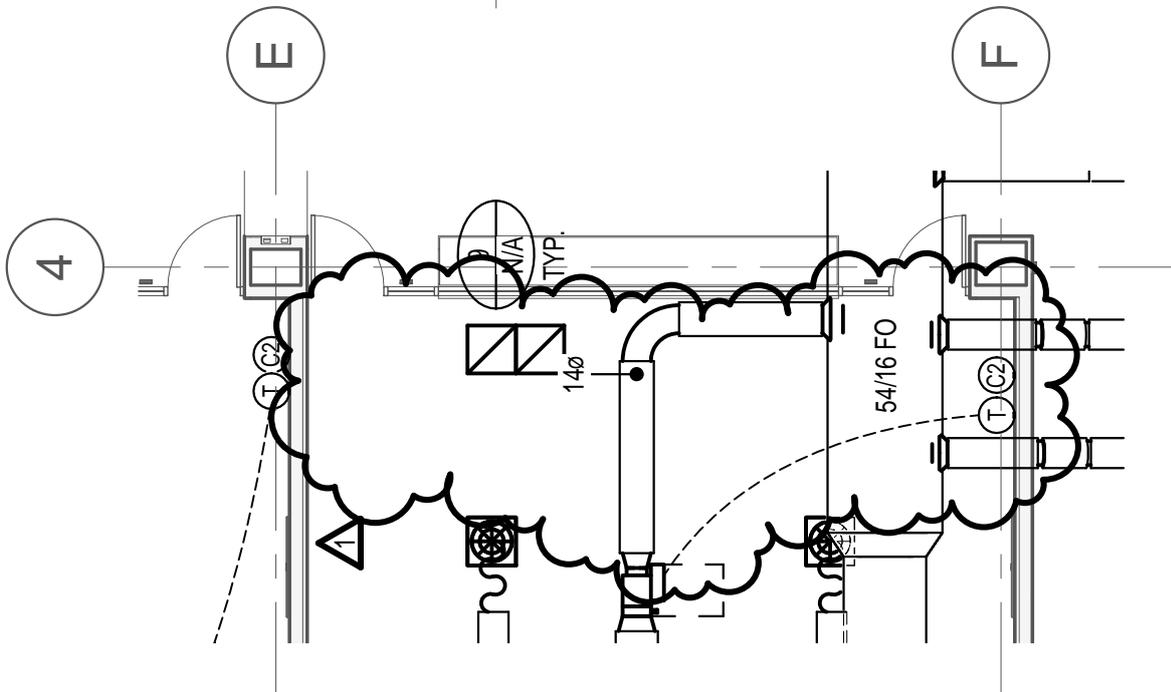
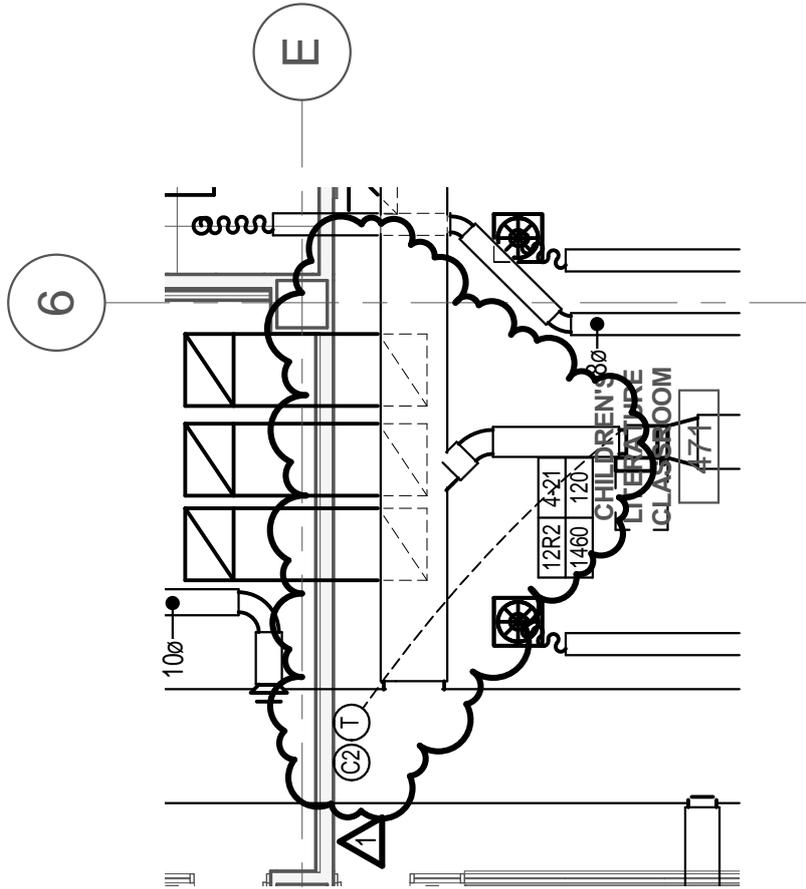
Colvin ENGINEERING ASSOCIATES, Inc.

244 West, 300 North, Suite 200 / Salt Lake City, Utah 84103-1108
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2010-004.00

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MH1.01



PROJECT:
HOLLAND CENTENNIAL
COMMONS

Sheet Title:
ADDENDUM #5
RELOCATE THERMOSTAT AND CO2 SENSOR

DATE: 12/20/10
BY: Author

ARCH REF:

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ELECTRICAL ADDENDEUM

DSC Holland Centennial Commons
Addendum #5

December 21, 2010

ELECTRICAL – DIV 26

SPECIFICATIONS

Section 262726 Wiring Devices:

1. Refer to device type TT1 in the wiring devices schedule. Change last sentence of description from “Pre-wired with power and data/com outlets as shown on plans” to “Pre-wired with power outlets every 24” on center.”

DRAWINGS

Sheet ES101:

1. Delete keynote symbols 17 and 25.

Sheet ES102:

1. Add the following text to Sheet keynote #7: Salvage poles back to Dixie State College for storage or reuse on campus.

Sheet EP101:

1. Delete keynote #2 symbols from Open office 195.
2. Circuit receptacles in Circulation 161B to 1LB1-66.
3. Remove “typ” text from keynote #6 at corridor monitor near grids B.5 and 5. Circuit this receptacle to 1LA1-65 as shown on attached revised drawing EP101-R1-1.
4. Circuit corridor receptacles in Circulation 127 corridors to 1LA1-33 as shown on attached revised drawing EP101-R1-1.
5. Change floor box near E and 5 in Open Offices 161 from FB6 to FB5. All FB5 floor boxes in Open offices 161 shall be circuited to 1LB1-32,34,36 and 38 for future systems furniture connections.
6. Circuit monitor in circulation 155 near grids E.5 and 2 to 1LB1-64.
7. Circuit under counter refrigerator in Conference 162 to 1LB1-65.
8. Revise circuiting at east wall of Conference 162 as shown on attached revised drawing EP101-R1-2.
9. Circuit microwave oven in Conference 156 to 1LB1-62

Sheet EP102:

1. Add additional receptacle and voice/data outlet near grids E and 2 as shown on attached revised drawing EP102-R1. Circuit with other receptacles to 2LB1-33.
2. Circuit counter top receptacle in southwest corner of Work Room 232 to 2LA1-10.

Sheet EP102M:

1. Re-circuit receptacles along gridline B from grid 2 to 4 as shown on attached revised drawing EP102M-R1.
2. Refer to keynote #2 and table top raceway along gridline 2 from C to E.6 and gridline 5 from C.2 to H. Table top surface raceway and receptacles extend from the column where they are fed to the next column, wall or end of the work surface even where hatching of symbol is incomplete on drawings.

ELECTRICAL ADDENDEUM

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December 21, 2010

Sheet EP103:

1. Circuit uncircuited poke-thrus in Reading Room 330 to 3LA1-65.
2. Change keynote #6 in Classroom 340 from #6 to #5 and circuit associated projector to 3LA1-17.
3. Delete Keynote #6 text from. Keynote 6 is unused.
4. Re-circuit receptacles along gridline F from grid 3 to 5 as shown on attached revised drawing EP103-R1-1.

Sheet EP104:

1. Refer to circuit 4LA1-77,75 home run in the southwest corner of Tutoring 434. Circuit the (4) receptacles shown on north exterior wall to breaker #75 and the (3) receptacles on the south wall to circuit breaker #77.
2. Add Receptacle and voice/data outlet near grids D and 2 as shown on attached revised drawing EP104-R1-1. Circuit receptacle to 4LB1-49.
3. Add Receptacle and voice/data outlet near grids H and 5 as shown on attached revised drawing EP104-R1-2. Circuit receptacle to 4LB1-51.
4. Change keynote #4 to #3 at projectors at gridlines F and 3.5 and at gridlines F and 5.5.
5. All system furniture power junction boxes (SP) in Adjunct Faculty Open Office 457A shall be circuited to 4LA1-13,15,17 for future systems furniture connections.

Sheet EP105:

1. Delete junction box without keynote #9 near gridlines A.5 and 8 in Zion room 537.
2. Revise circuiting in Training Lab 541, Control Room 541A and Recording Lab 542 as shown on attached revised drawing EP105-R1-2.
3. Add keynote #5 to uncircuited receptacle near gridlines D and 6 in Conference 560. Circuit receptacle to 5LA1-39.
4. Move (2) receptacles and voice data outlet in middle of Leaders Reception 571 to desk in the same room. Locate in the north/south portion of desk.
5. Add Receptacle and voice/data outlet near grids D.6 and 3 as shown on attached revised drawing EP105-R1-1. Circuit receptacle to 5LB1-61.

Sheet EP106:

1. Circuit ATC panel in AH-3 near grids C.5 and 2 to 4QLB-31.

Sheet EP401:

1. Add Computer room note #5: Network and server racks in the data center are provided and installed by Division 26 contractor. See sheet ET601 for rack and accessory specifications.
2. Refer to elevator closet plan: Add conduit and conductor size indicator on ELEV-3 feeder to 1EHDP; CC#23.

Sheet EP402:

1. Add Keynote #1 text: Receptacles mounted to ladder rack. Provide double duplex and L6-30 receptacles for each rack location as shown. Ladder rack provided and installed by state I.T. services. Coordinate installation of receptacles with state I.T. installers.
2. Add keynote #1 to enlarged plan D1, applied to receptacles shown above racks in data room.
3. Refer to enlarged plan A1: Revise text callout on ladder rack above network and server racks as follows: 12" ladder rack by Division 26, 96" AFF.

ELECTRICAL ADDENDEUM

DSC Holland Centennial Commons
Addendum #5

December 21, 2010

Sheet EP402:

1. Add Keynote #1 text: Receptacles mounted to ladder rack. Provide double duplex and L6-30 receptacles for each rack location as shown. Ladder rack provided and installed by state I.T. services. Coordinate installation of receptacles with state I.T. installers.
2. Add keynote #1 to enlarged plans A1, A2, A4, B1, B2, B4, D1, D2, and D4, applied to receptacles shown above racks in each data room.

Sheet EP404:

1. Add Keynote #1 text: Receptacles mounted to ladder rack. Provide double duplex and L6-30 receptacles for each rack location as shown. Ladder rack provided and installed by state I.T. services. Coordinate installation of receptacles with state I.T. installers.
2. Add keynote #1 to enlarged plan C1, applied to receptacles shown above racks in data room.

Sheet EP602

1. Delete the unused 800/3 circuit breaker in Main Switchboard MS.
2. Delete the 2nd section shown on panel 1LA3.

Sheet EL601:

1. Fixture substitutions: The following lighting fixtures have been reviewed and have been found to be acceptable for use on this project, subject to compliance with the requirements of the contract documents:

CX-1	AXIS	BMD-S-FL-4-T5HO-1-0-C-UNV-E-1-SAX
	LINEAR	IB24 D ET5HO XXX SBL CXX CC-BLACK XX
	PMC	S44-D-AC-1T5HO-XX'-WOA/FA-BLK-UNV
	GAMMALUX	GB44D-154T5HO-UNV-ERS-LENGTH-C2-ASL-BKSG
CX-2	AXIS	BMD-S-FL-4-T5-1-0-C-UNV-E-1-SAX
	LINEAR	IB24 D 1 ET5 XXX SBL CXX CC-BLACK XX
	PMC	S44-D-AC-1T5-4'-WOA/FA-BLK-UNV
	GAMMALUX	GB44D-128T5-UNV-ERS-LENGTH-C2-ASL-BKSG
CX-3	AXIS	BMD-S-FL-4-T5HO-1-0-C-UNV-E-1-SAX-CUSTOM-(DAMP)
	LINEAR	IB24 D 1 ET5HO XXX SBL CXX CC-BLACK DAMP XX
	PMC	S44-D-AC-(MODIFY WITH 1/2 FL)1T5HO-4'-WOA/FA-BLK-UNV
	GAMMALUX	GB44D-154T5HO-UNV-ERS-LENGTH-C2-ASL-BKSG-MOD/FLANGE 1 SIDE
CX-4	AXIS	BMD-S-FL-4-T5-1-M1-C-UNV-D-2SAX
	LINEAR	IB24 D ET5HO XXX SBL CXX CC-BLACK XX
	PMC	S44-D-AC-2T5-4'-WOA/FA-BLK-UNV-(1)MR16-2CIR-DIM
	GAMMALUX	GB44D-125T5/MR16-UNV-ERS-5-C2-ASL-BKSG
CX-5	AXIS	BMD-S-FL-4-T5HO-1-0-W-UNV-E-1-SAX
	LINEAR	IB24 D 1/ ET5HO XXX SBL CXX BW XX
	PMC	S44-D-AC-1T5HO-4'-WOA/FA-WHT-UNV
	GAMMALUX	GB44D-154T5HO-UNV-ERS-LENGTH-C2-ASL-WHSG

ELECTRICAL ADDENDEUM

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CX-6	AXIS	BBR-S-FL-4-T5-1-MO-W-UNV-E-1-X
	LINEAR	RC68 D 1 ET5 XXX AL G BW XX
	PMC	S66-R-D-T-1T5-4'-WOA/FA-WHT-UNV
	GAMMALUX	GB66RC-128T5-UNV-EBL-4-REC-ASL-WH
DX-1	AMERLUX	EG12-40-LED-E-MW-3500
	LEDALITE	STR-0033-5500-RC
DX-2	GOTHAM	ALED 41/18 6AR 277 TRW
	SPECTRUM	SGE8LED40-4K-E2-BH12/AR8454-SG
	OMEGA	OM6LED39-277-R6LED40K-MD-CSS
E	DUALLITE	UFO-6W
E9-1	ISOLITE	ELT-EM-G-1C-XX-RC-X-SD
	DUALLITE	LECSG*NEI
	MCPHILBEN	ER44RLDU-1-WG
	LIGHTOLIER	LGN1GCW/SD2
E9-2	ISOLITE	ELT-EM-G-2C-XX-RC-X-SD
	DUALLITE	LECDG*NEI
	MCPHILBEN	ER44RLDU-2-WG
	LIGHTOLIER	LGN2GCW/SD2
ET	DUALLITE	ATSD
G-12	AXIS	DAYF-2X4-S-T8-2-W-UNV-E-1-X-.6BF
	MARK	WHS 24 2/T8 GEUSXL XXX SW SW
	DAYBRITE	2STG232-D-UNV-1/2EBL10R(.6BF)
	LIGHTOLIER	SKS2GPK232-UNV-P2
G-13	AXIS	DAYF-2X4-S-T8-3-W-UNV-E-1-X-.6BF
	MARK	WHS 24 3/T8 GEUSXL XXX SW SW 1/3
	DAYBRITE	2STG332-D-UNV-1/3EBL10R(.6BF)
	LIGHTOLIER	SKS2GPK332-UNV-P3
G-14	AXIS	DAYF-2X2-S-40TT-2-W-UNV-E-1-X
	MARK	WHS 22 2/40BX EBPR XXX SW SW
	DAYBRITE	2STG2CF40-D-UNV-1/2EB10R
	LIGHTOLIER	SKS2GPK2FT-UNV-IB
G-14D	AXIS	DAYF-2X2-S-40TT-2-W-UNV-T-1-X
	MARK	WHS 22 W/40BX EBPR XXX SW SW DC
	DAYBRITE	2STG2CF40-D-UNV-1/2EBSD95
	LIGHTOLIER	SKS2GPK2FT-UNV-DIMM
G-15	AXIS	DAYF-2X2-S-40TT-2-W-UNV-D-1-X-0-10VOLT
	MARK	WHS 22 2/40BX ADZT XXX SW SW
	DAYBRITE	2STG2CF40-D-UNV-1/2EBD(MARK VII)
	LIGHTOLIER	SKS2GPK2FT-UNV-MK7
LED-1	COLORKINETICS	EW COVE 3000K
	I2SYSTEMS	V4290A-X6B-XXX-I
	LED	LED-W2800-24-24VDC-X-40-XX'
	JESCO	S401-XX-30-WH
LED-2	COLORKINETICS	EW COVE 4000K
	I2SYSTEMS	V4290A-X6A-XXX-I
	LED	LEDW4100-24-24VDC-X-40'-XX
	JESCO	S401-XX-40-WH

ELECTRICAL ADDENDEUM

DSC Holland Centennial Commons
Addendum #5

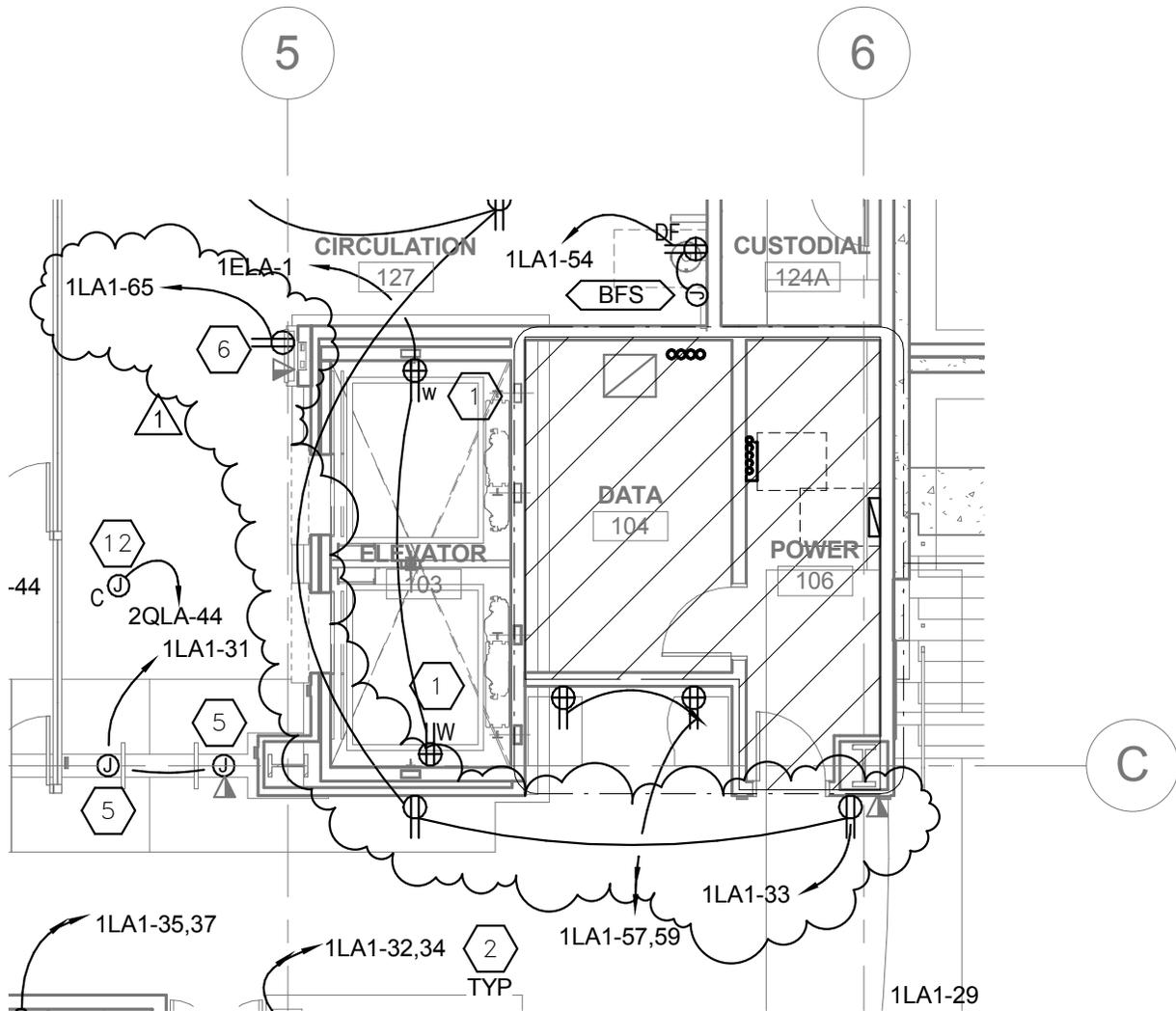
December 21, 2010

LED-3	COLORKINETICS	EW BLAST 4000K 10 DEGREE
	MARK	OLW14 EC
	DAYBRITE	FAI90WLU-ISP-NHP-CBA
	LEDALITE	FLD-A0193-00-NW
OC-32	HUBBEL	TRP-42F8-WT-SCBA
	VISIONAIRE	SIL-1-T4-42CF-UNV-DL-CBA
OJ-1	REBELLE	1645 113WCF 120 LV EM REMOTE CBA
WB-3	TERON	MD48232E XXX SCBA MS EB BF.6
	COLUMBIA	BIL4-232-EPLW (.6BF)-U
	DAYBRITE	STWW232-VCP-1/2EBD-E5
ZA-3	LITHONIA	MRP 100M SR3 TB SCWA CBA L/LP
	LUMEC	PCDS480-100MH-2H-VOLT-CBA / APR4F-12-CBA
	VISIONAIRE	ARI-1-T3-100PS-MTB-PT-CBA
	SELUX	QH2-R3-1-H100-CBA-MY=POLE

END OF ELECTRICAL ADDENDUM

Attachments:

EP101-R1-1
EP101-R1-2
EP102-R1
EP102M-R1
EP103-R1-1
EP104-R1-1
EP104-R1-2
EP105-R1-1
EP105-R1-2



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ISSUE: ADDENDUM #5

DATE: 12/21/2010

PROJ NO: 20100008

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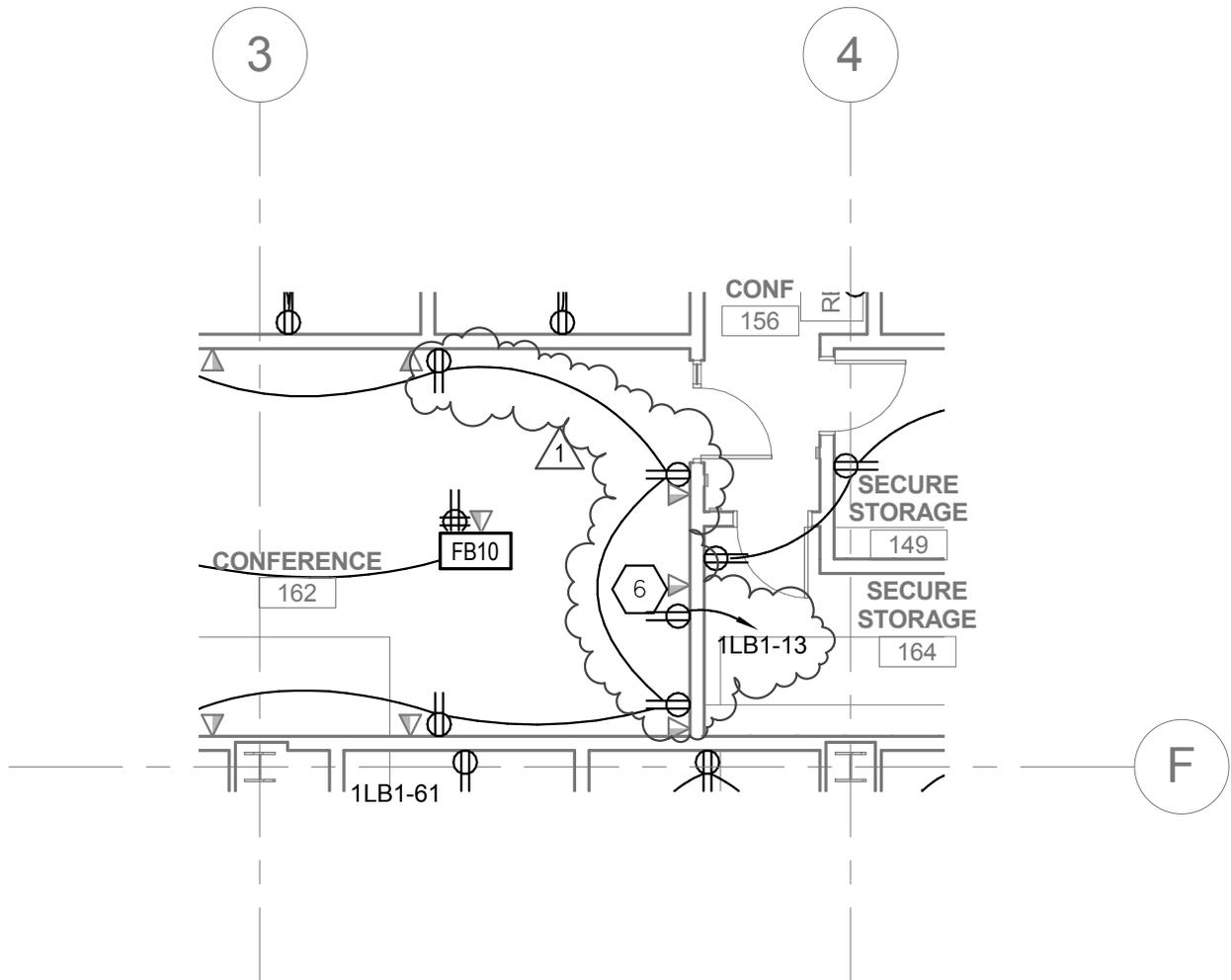
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PROJECT HOLLAND CENTENNIAL
 COMMONS

SHEET TITLE LEVEL 1 POWER PLAN

SCALE
 1/8" = 1'-0"

EP101-R1-1



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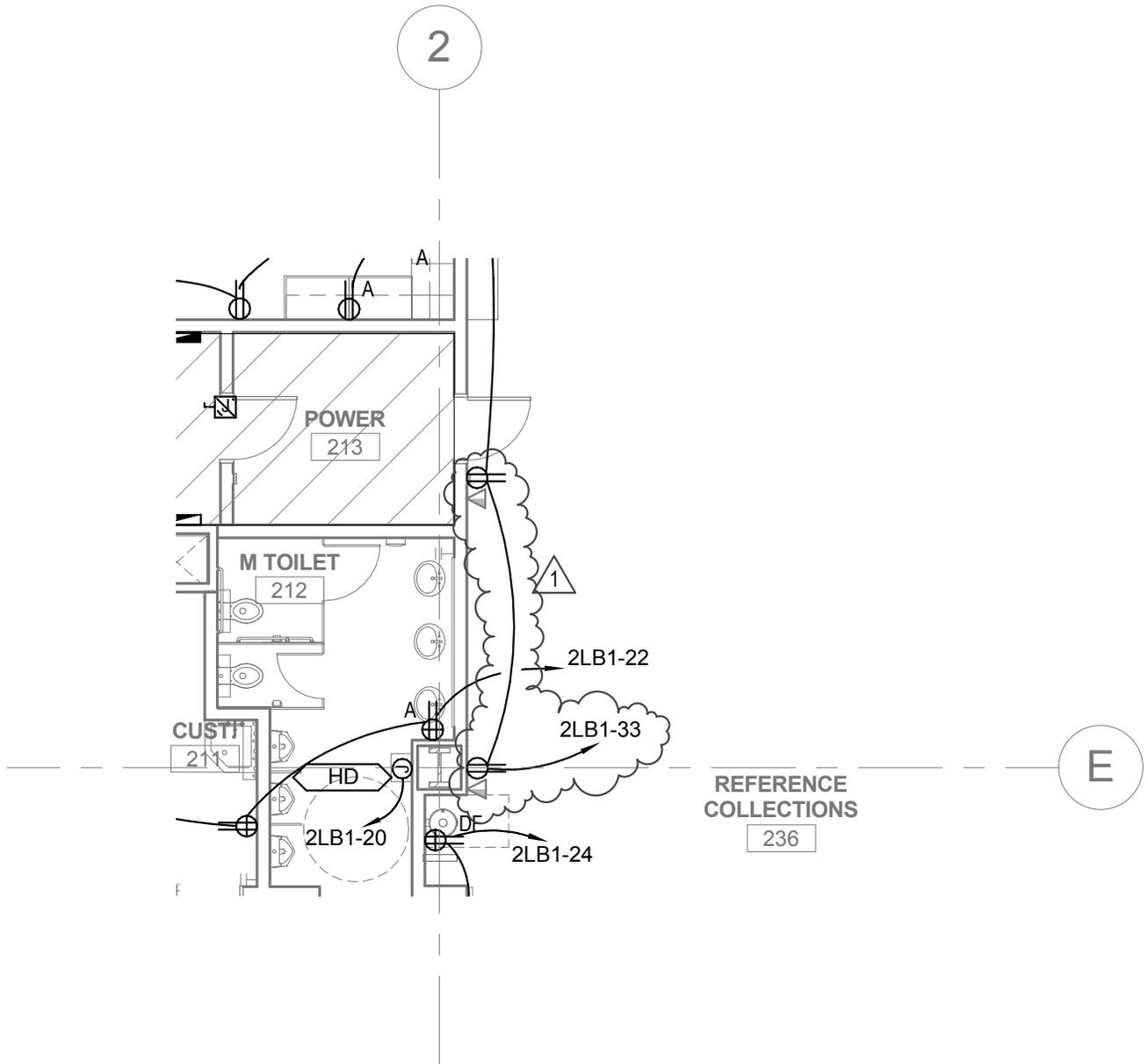
REFERENCE:	
ISSUE:	ADDENDUM #5
DATE:	12/21/2010
PROJ NO:	20100008
DRAWN BY:	DLM
CHECKED BY:	RBK

PROJECT HOLLAND CENTENNIAL COMMONS

SHEET TITLE LEVEL 1 POWER PLAN

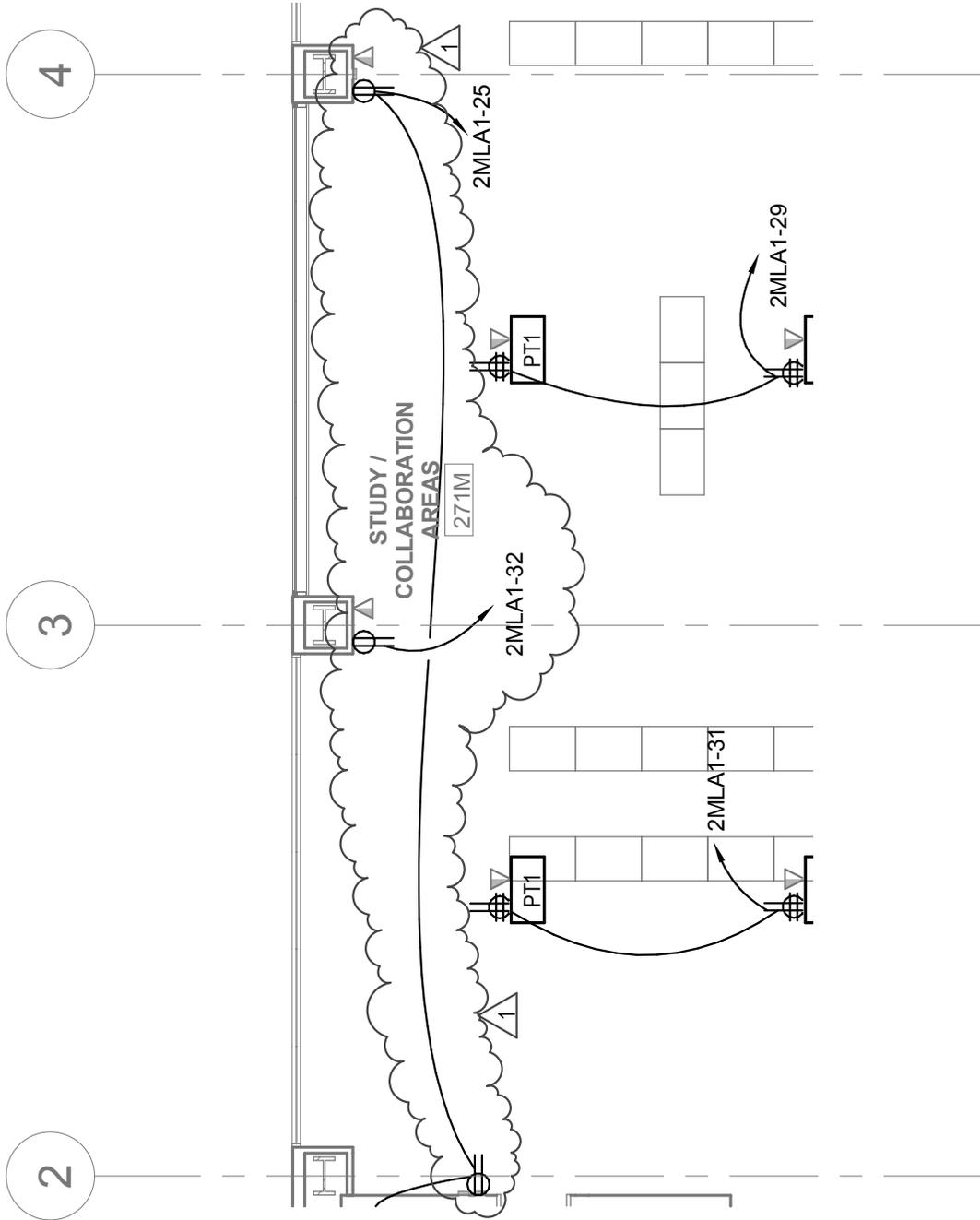
SCALE
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EP101-R1-2



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ISSUE:	ADDENDUM #5		
DATE:	12/21/2010		
PROJ NO:	20100008		
DRAWN BY:	DLM	SCALE	EP102-R1
CHECKED BY:	RBK	1/8" = 1'-0"	
SHEET TITLE		LEVEL 2 POWER PLAN	



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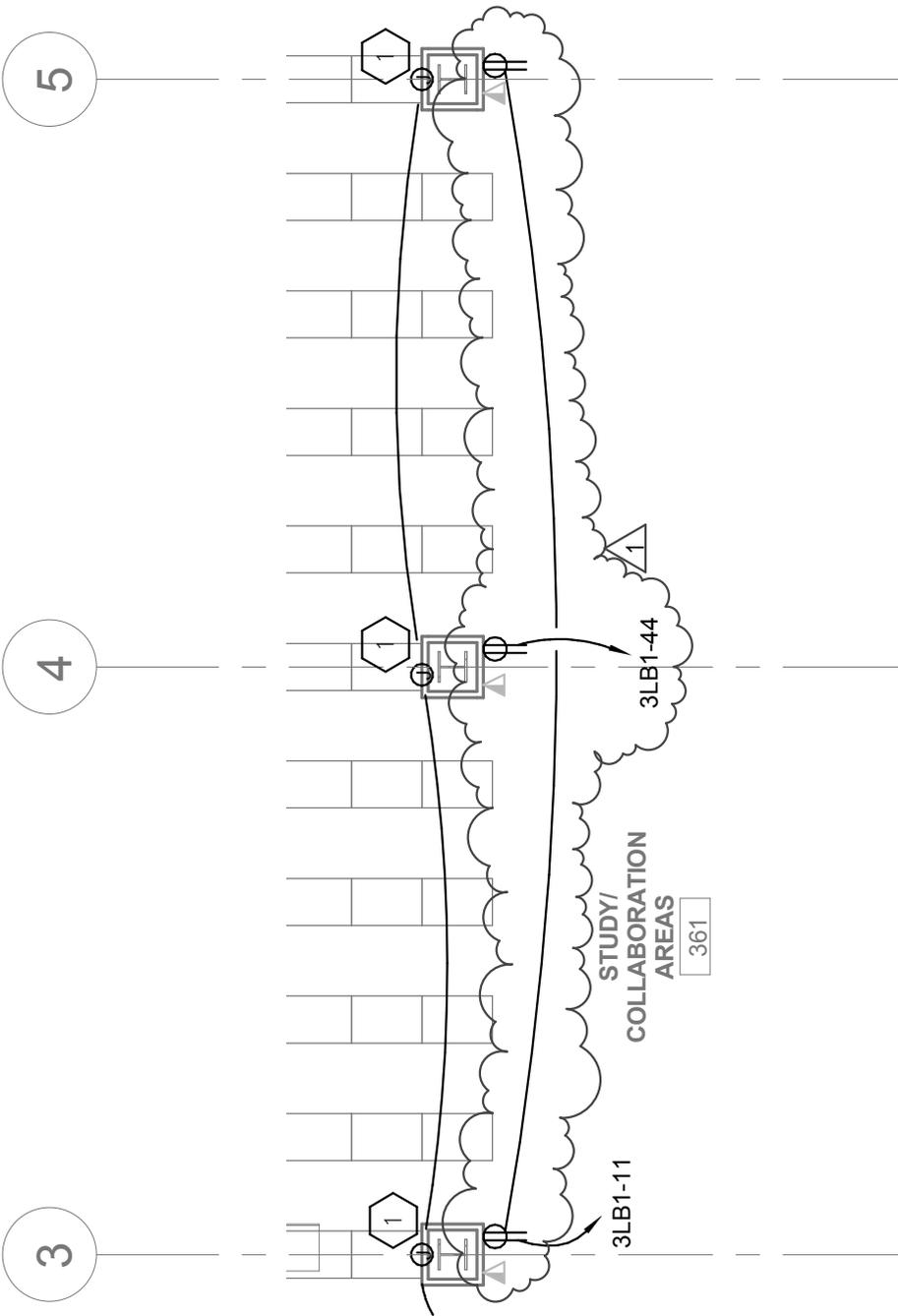
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ISSUE:	ADDENDUM #5
DATE:	12/21/2010
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PROJECT HOLLAND CENTENNIAL COMMONS

SHEET TITLE LEVEL 2 MEZZANINE POWER PLAN

SCALE 1/8" = 1'-0"

EP102M-R1



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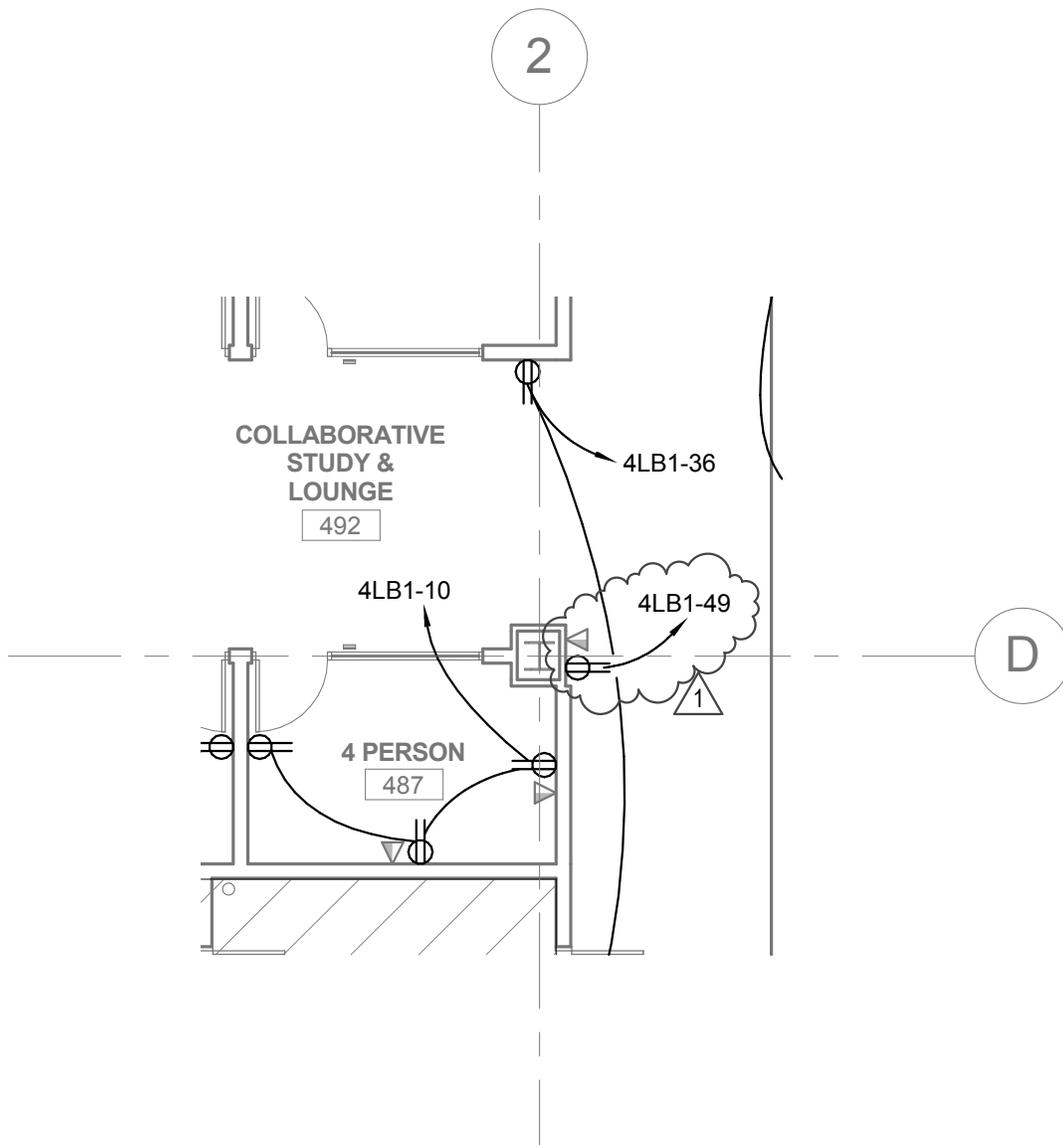
PROJECT HOLLAND CENTENNIAL COMMONS

SHEET TITLE LEVEL 3 POWER PLAN

SCALE
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EP103-R1-1

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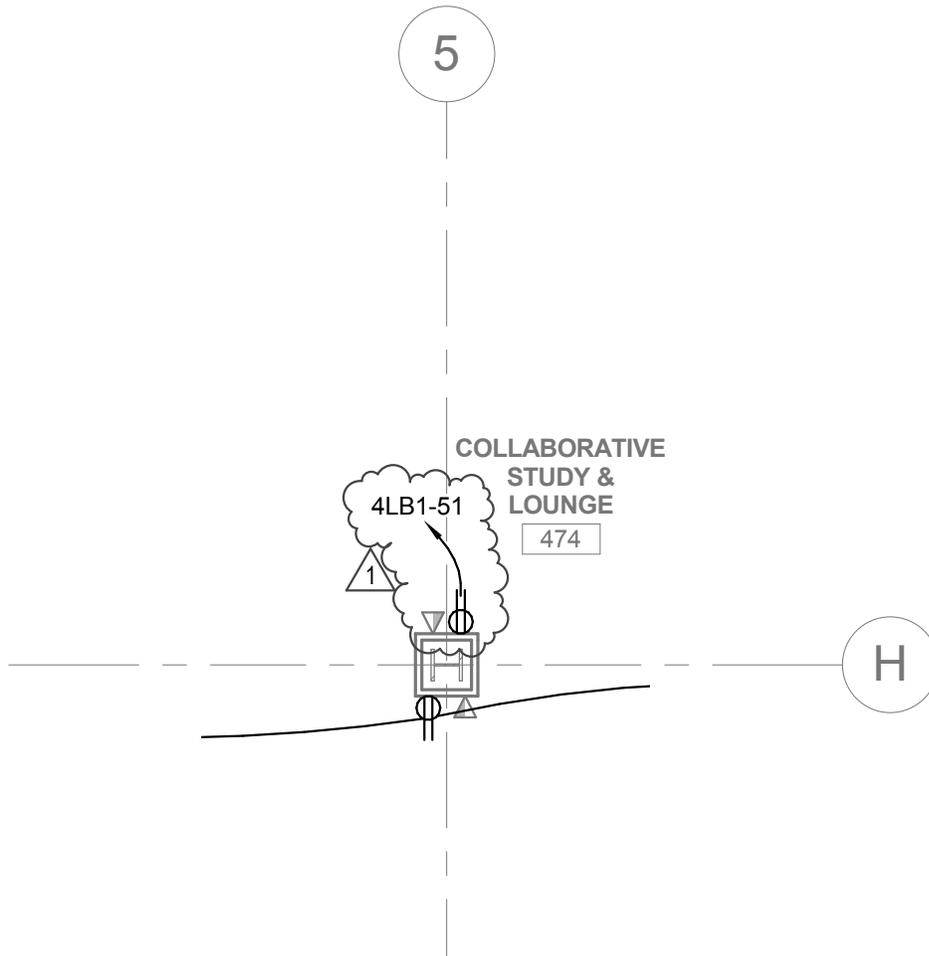
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SHEET TITLE LEVEL 4 POWER PLAN

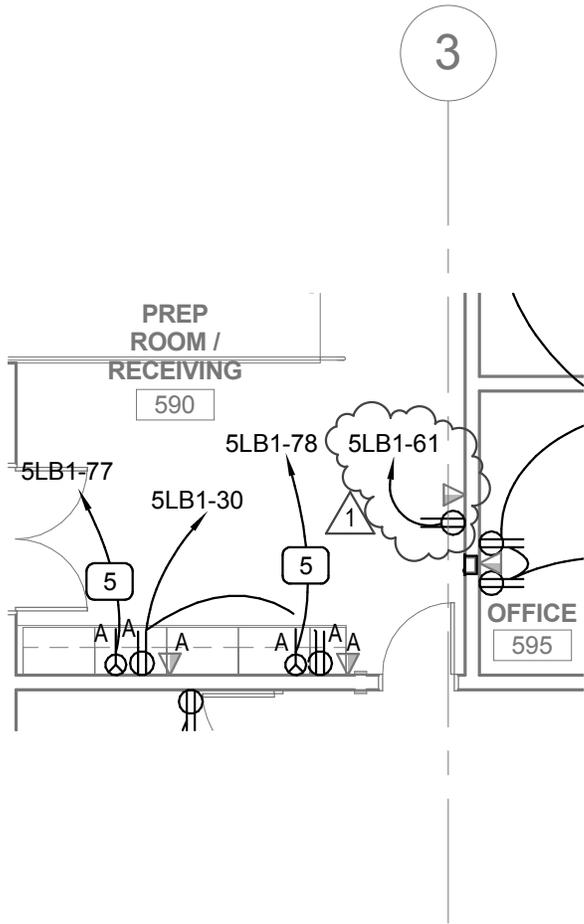
SCALE
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EP104-R1-1



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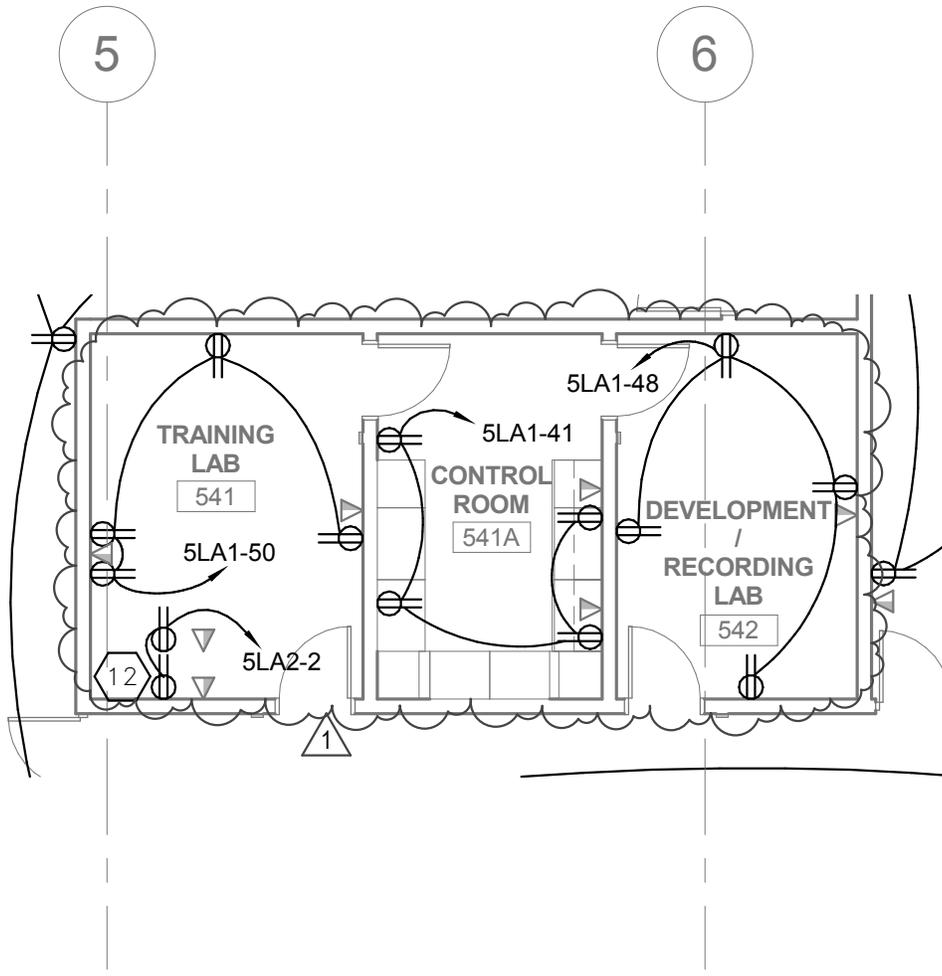
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PROJECT	HOLLAND CENTENNIAL COMMONS	
SHEET TITLE	LEVEL 5 POWER PLAN	
SCALE	1/8" = 1'-0"	EP105-R1-1



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PROJECT	HOLLAND CENTENNIAL COMMONS	
SHEET TITLE	LEVEL 5 POWER PLAN	
SCALE	1/8" = 1'-0"	EP105-R1-2